

# Wood varnishes and stains

Complete product range for  
interior wood refinement





# Wood varnishes, oils and stains

Complete range of products for professional trade and series production

**In 70 years, Remmers has become a leading specialist for wood protection and surface coating with operations all over Europe.**

**Especially the well-aimed development of reliable coating systems – also for niche applications - makes Remmers a strong partner. Our product line includes paint for application by brush and roller as well as industrial coating systems for wood in gardens, matchboarding, furniture, windows and doors.**

**This specific range - wood varnishes and stains - is aimed mainly to applicators in professional joineries as well as firms specialising in standard coatings in the following areas:**

- furniture for living rooms, bedrooms, kitchens and bathrooms
- interior furnishing
- shop fitting and exhibition stand construction
- stairs
- ship interior finishing

User-friendliness and durability are the main focus for all these products.

We provide support to our customers for the selection of the best suited products and application processes and offer highly qualified assistance with our service teams.

# Tested and certified

## Safety with regard to function and health

Remmers ensures the function of its products and its safety for people and the environment through a wide range of tests, both internal and by prestigious, external, independent testing institutes. Below you will find an extract of the test standards and schemes according to which Remmers` wood varnishes and stains have been assessed. For our customers, this means operative certainty and reliability – especially when dealing with public tenders.

### Resistance to chemicals (DIN 68861. part 1)

This standard describes the behaviour of surfaces when exposed to chemical substances. Physically drying coatings usually obtain a score of 1C – chemically hardening ones of 1B.

### Paint Directive

The maximum levels of VOCs (VOC – organic solvents) in coating systems for built-in components were established for the entire EU and introduced in two stages (2007 and 2010). This regulation applies to building elements such as windows, doors, wall and ceiling linings, stairs and floors. Furniture is excluded. What matters is the VOC contents of the ready-to-use product, thinners and hardeners included.

### Testing of the combustion properties (DIN 4102 & EN 13501-1)

Besides fire resistance as such, other criteria, such as smoke production and flaming droplets are assessed. The testing of coating materials is always carried out in combination with fire-resistant substrates.

### Fire resistance: seagoing vessels (IMO Resolution A.653)

The fire resistance and reaction to fire of coating systems used in seagoing vessels must be tested and certified by an independent organisation. The suitability of a given product for this use is documented with the steering wheel granted by the International Maritime Organization (IMO).



### DIN EN 71-3 Migration of certain elements (Safety for toys)

Test of the migration of dangerous substances (heavy metals in particular). The requirements for a product are considered met when the limits imposed by the standard are not exceeded.



### Cytotoxicity (ISO 10993-5/12)

This test proves that a certain material is not toxic to cells. This property is important for example in hospitals and other medical premises.

### Resistance to hand creams

There is no official test standard, but since this property is particularly relevant for stair varnishes, several commercially available hand creams are tested according to a method similar to that of EN 12720.

### Testing principles for health assessment of products in interior rooms

Starting on 01.01.2011, all products used for the professional treatment of wooden floors require a general approval by the building inspectorate within the EU-Construction Products Directive framework. Its goal is to ensure that the health of users of buildings is not harmed by construction products. An emission test of coated samplings in special test chambers according to the so-called AgBB scheme must be successfully passed before the approval is granted.



### Food safety (Regulation (EC) No 1935/2004)

Selected products have been assessed by independent bodies with regard to their safety for contact with food and conform to the applicable German laws and the **Regulation (EC) No 1935/2004**.



### Slip resistance (DIN 51130:2014)

The anti-slip properties of floor coverings are tested and evaluated according to the walking method on a sloping ramp. "R9" represents a low sliding friction coefficient and is recommended for normal private use. Higher R values correspond to better slip resistance properties.



### Vegan

With regard to selected products, explicit attention is given to the avoidance of animal ingredients. This is ensured on the base of the information we receive from our raw materials suppliers and our internal manufacturing processes.









# Wood varnishes, oils and stains

Complete product range for the  
professional trade and series production

<b>Water-based coating systems</b> .....	<b>06</b>
Transparent finishes and topcoats .....	08
Sealing of parquets .....	14
Pigment fillers.....	20
Opaque colour varnishes .....	24
Hardeners, thinners and additives.....	28
General directions.....	32
Combination options.....	33
The system solutions.....	34
 <b>Solvent-based coating systems</b> .....	 <b>38</b>
Transparent primers .....	40
Transparent finishes .....	42
Transparent topcoats .....	49
Pigment fillers .....	52
Opaque colour varnishes.....	54
Hardeners, thinners and additives .....	62
General directions .....	69
Combination options.....	70
The system solutions.....	72
 <b>Oils and waxes</b> .....	 <b>76</b>
General directions .....	81
The system solutions .....	82
 <b>Stains</b> .....	 <b>84</b>
 <b>Complementary products and accessories</b> .....	 <b>92</b>
 <b>Customer service</b> .....	 <b>98</b>



# Water-based finishes and topcoats

Transparent, water-based varnishes have nothing to do with those of the first generation. Many properties are well known to users of solvent-based products. The transparent, water-based varnishes from Remmers impress with their good resistance and durability, nice emphasis of wood grain and transparency. With regard to feel and look, you can hardly tell the difference between them and their solvent-based counterparts. Furthermore, the single-component Remmers Aqua varnishes are way ahead of solvent-based products with regard to environmental properties and drying times. A prime example for this bundle of properties is our new generation Aqua SL-418 Finish.





#### Customer benefits in detail:

- High-performance, single-component Aqua finishes
- No hardener, no thinner, no pot life, no waste
- Eco-friendly & quick-drying
- Two-component Aqua varnishes for extreme loads



#### Transparent finishes and topcoats

- **Aqua SL-414 Finish (page 8)**  
Extremely fast-drying, clear single-component finish
- **Aqua SL-418 Finish (page 9)**  
Transparent, single-component finish with high durability
- **Aqua NEL-419/05 Natural Effect Varnish (page 10)**  
Clear, single-component finish for natural wood effects with high durability
- **Aqua TL-412 Stair Varnish (page 11)**  
Single-component, high-solids, abrasion-resistant finish
- **Aqua 2DS-450-2K Diamond Seal (page 12)**  
Two-component, flame-resistant coating lacquer for highly durable finishes
- **Aqua 2HL-411/90 High Gloss Varnish (page 13)**  
Lightfast, two-component topcoat for high-gloss varnishes

#### Parquet sealing

- **Aqua FKL-402 Joint Filler Liquid (page 14)**  
Water-based joint filler liquid for parquet and wooden floors
- **Aqua MSV-403 Parquet Primer (page 15)**  
Special primer for parquet and wooden floors to reduce the lateral bonding
- **Aqua PL-413 Parquet Varnish (page 16)**  
Clear single-component sealing varnish for roller application
- **Varnished Floor Care (page 17)**  
Cleaning agent for sealed wooden floors

# Aqua SL-414 Finish

Extremely fast-drying, clear single-component finish

Range of use:	<ul style="list-style-type: none"> <li>■ Primer &amp; tocoat</li> <li>■ Solid wood &amp; veneers</li> <li>■ Living room &amp; bedroom furniture</li> <li>■ Chair and frame construction</li> <li>■ Interior finishing work: e.g. panels, borders, cladding &amp; interior doors</li> <li>■ Topcoat for Aqua coloured varnishes</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Single-component: simple and economical handling</li> <li>■ Good flow properties</li> <li>■ Quick drying</li> <li>■ Good sanding properties</li> <li>■ Can be stacked very rapidly</li> <li>■ Resistant to chemicals: DIN 68861. 1B</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ DIN 68861-1C Resistance to chemicals</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>■ Spray or pour</li> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	80 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 1 hour (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 30 minutes

<b>Quantity per pallet</b>	<b>22</b>
<b>Packaging unit</b>	<b>20 l</b> Tin bucket
<b>Container code</b>	20
<b>Aqua SL-414/20 matt</b>	
3879 clear	■
<b>Aqua SL-414/30 semi-matt</b>	
3821 clear	■
<b>Aqua SL-414/50 silk gloss</b>	
3820 clear	■



System products	Art. No.
Aqua CL-440	(3802)
Aqua V-490	(1939)
SM-820	(1942)
Aqua MM-825	(3875)





# Aqua SL-418 Finish

Transparent, single-component finish with high durability

Range of use:	<ul style="list-style-type: none"> <li>■ Primer &amp; topcoat</li> <li>■ Solid wood &amp; veneers</li> <li>■ Living room &amp; bedroom furniture</li> <li>■ Interior finishing work: e.g. panels, borders, cladding &amp; interior doors</li> <li>■ Shop fitting and trade fair stands</li> <li>■ As a glass lacquer (in combination with Aqua VGA-485)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Water-based lacquer that can be sprayed to give an even layer (no milky wet film)</li> <li>■ Can also be used on vertical surfaces</li> <li>■ Good sanding properties</li> <li>■ Good block resistance</li> <li>■ Good flow properties</li> <li>■ Elegant pore pattern</li> <li>■ Resistant to chemicals: DIN 68861. 1B</li> <li>■ Good resistance to a wide range of commercially available hand creams</li> <li>■ Excellent emphasis of the grain</li> <li>■ Lightfast</li> <li>■ Surfaces show no tendency to become glossy</li> <li>■ Pleasant feel</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ Test report contact with food</li> <li>■ DIN 68861. 1B Resistant to chemicals</li> <li>■ EC type examination certificate (module B), IMO Resolution</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	80 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 1.5 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after approx. 45 minutes



System products	Art. No.
Aqua VGA-485	(3256)
SM-820	(1942)
Aqua V-490	(1939)
Aqua MM-825	(3875)
Aqua KB-004	(3840)
Aqua BB-007	(2030)
Aqua PB-006	(3882)

Quantity per pallet	96	22
Packaging unit	5 l Tin bucket	20 l Tin bucket
Container code	05	20
<b>Aqua SL-418/10 dull matt</b>		
5310 clear	■	■
<b>Aqua SL-418/20 matt</b>		
5311 clear	■	■
<b>Aqua SL-418/30 semi-matt</b>		
5312 clear	■	■
<b>Aqua SL-418/50 silk gloss</b>		
5313 clear	■	■
<b>Aqua SL-418/30 semi-matt</b>		
5314 special colours	■	■



07/06/2019  
USCG-V12  
164.112/EC0730-116526-00



# Aqua NEL-419/05 Natural Effect Varnish

Clear, single-component finish for natural wood effects with high durability

Range of use:	<ul style="list-style-type: none"> <li>Especially suited to light woods: oak, maple, ash, birch, spruce, pine</li> <li>Primer &amp; topcoat</li> <li>Solid wood &amp; veneers</li> <li>Living room &amp; bedroom furniture</li> <li>Interior finishing work: e.g. panels, borders, cladding &amp; interior doors</li> <li>Shop fitting and trade fair stands</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>For coatings that are not perceptible by sight or touch</li> <li>Good sanding properties</li> <li>Good block resistance</li> <li>Resistant to chemicals: DIN 68861. 1B (except for alcohol)</li> <li>Good resistance to a wide range of commercially available hand creams</li> <li>Lightfast</li> <li>Surfaces show no tendency to become glossy</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>DIN EN 71-3 "Safety for toys"</li> <li>Test report contact with food</li> <li>DIN 68861. 1B (except for alcohol) Resistance to chemicals</li> <li>EC type examination certificate (module B), IMO Resolution</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	80 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 1.5 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after approx. 45 minutes

Quantity per pallet	96	22
Packaging unit	5 l Tin bucket	20 l Tin bucket
Container code	05	20
Art. No.		
5309 clear	■	■



System products	Art. No.
Aqua KB-004	(3840)
Aqua BB-007	(2030)
Aqua PB-006	(3882)



01/36/2019  
USCG-Nr.:  
164.112/EO0736/116527-00



# Aqua TL-412 Stair Varnish

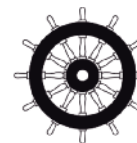
Single-component, high-solids, abrasion-resistant finish

Range of use:	<ul style="list-style-type: none"> <li>■ Primer &amp; topcoat</li> <li>■ Solid wood &amp; veneers</li> <li>■ Wooden stairs</li> <li>■ Living room &amp; bedroom furniture</li> <li>■ Interior finishing work: e.g. panels, borders, cladding &amp; interior doors</li> <li>■ As a glass lacquer (in combination with Aqua VGA-485)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Quick-drying and easy to sand</li> <li>■ Excellent build (after just 2 coats of varnish)</li> <li>■ Can also be used on vertical surfaces</li> <li>■ Excellent de-foaming action, even on vertical surfaces and dark substrates</li> <li>■ Resistant to abrasion and scratches</li> <li>■ No creaking</li> <li>■ Resistant to chemicals: DIN 68861. 1B (except for alcohol)</li> <li>■ Good resistance to a wide range of commercially available hand creams</li> <li>■ With the addition of SM-820: "R10" slip resistance</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ "R10" slip resistance (DIN 51130:2014) with 4 % SM-820</li> <li>■ Reaction to fire, low flammability: DIN EN 13501-1 (B<sub>fl</sub>-s1)</li> <li>■ DIN 68861-1B Resistance to chemicals (except for alcohol)</li> <li>■ EC type examination certificate (module B), IMO Resolution</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	100 – 150 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 2 – 3 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 45 minutes

Quantity per pallet	96	22
Packaging unit	5 l Tin bucket	20 l Tin bucket
Container code	05	20
<b>Aqua TL-412/10 dull matt</b>		
2347 clear	■	■
<b>Aqua TL-412/20 matt</b>		
2370 clear	■	■
<b>Aqua TL-412/30 silk matt</b>		
2373 clear	■	■
<b>Aqua TL-412/30 silk matt</b>		
3819 special colours	■	■
<b>Aqua TL-412/50 silk gloss</b>		
2372 clear	■	■



System products	Art. No.
Aqua VGA-485	(3256)
Aqua CL-440	(3802)
SM-820	(1942)
Aqua V-490	(1939)
Aqua MM-825	(3875)
UMA-824	(3249)
Stairs and Parquet Fresh	(2393)



07/36/2018  
USCG-Nr.:  
164.112/EC0736/116.489

# Aqua 2DS-450-2K Diamond Seal

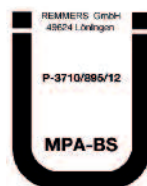
Two-component, flame-resistant coating lacquer for highly durable finishes

Range of use:	<ul style="list-style-type: none"> <li>■ Primer &amp; topcoat</li> <li>■ Solid wood &amp; veneers</li> <li>■ High-quality furniture</li> <li>■ Tables and worktops</li> <li>■ Topcoat on coloured varnishes (resistance to metal rings, gloss level)</li> <li>■ Coating oak surfaces without green discolouration</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Good flow properties</li> <li>■ Highly transparent, good emphasis of the wood grain</li> <li>■ Excellent resistance to chemicals</li> <li>■ Good resistance to a wide range of commercially available hand creams</li> <li>■ Resistant to a wide range of PVC plasticisers</li> <li>■ Very high scratch resistance</li> <li>■ Lightfast</li> <li>■ Fire resistant</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ Reaction to fire, low flammability: DIN 4102 (B1)</li> <li>■ EC type examination certificate (module B), IMO Resolution</li> <li>■ Reaction to fire, low flammability: DIN EN 13501-1 (C-s2, d0)</li> <li>■ DIN 68861. 1B Resistance to chemicals</li> </ul>
Mixing:	10:1 with Aqua H-480 by volume (10:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	80 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 4 – 8 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 1 hour

<b>Quantity per pallet</b>	<b>96</b>	<b>22</b>
<b>Packaging unit</b>	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	05	20
<b>Aqua 2DS-450/10 dull matt</b>		
3896 clear	■	■
<b>Aqua 2DS-450/20 matt</b>		
3869 clear	■	■
<b>Aqua 2DS-450/30 semi-matt</b>		
3870 clear	■	■
<b>Aqua 2DS-450/50 silk gloss</b>		
3871 clear	■	■



System products	Art. No.
Aqua H-480	(3806)
Aqua PF-430	(3265)
Aqua 2HL-411/90-2K	(3872)
Aqua CL-440	(3802)
Aqua V-490	(1939)
SM-820	(1942)



# Aqua 2HL-411/90 High Gloss Varnish

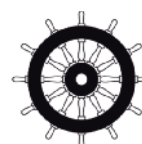
Lightfast, two-component topcoat for high-gloss varnishes

Range of use:	<ul style="list-style-type: none"> <li>■ Hardwood veneers</li> <li>■ Finishing coat</li> <li>■ High-quality furniture</li> <li>■ Furniture and interior finishing work</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Good flow properties</li> <li>■ Quick drying</li> <li>■ Can be polished once cured</li> <li>■ Efficient coating system thanks to high filling power</li> <li>■ Minimal sinkage of the varnish film</li> <li>■ High-gloss surfaces</li> <li>■ Lightfast</li> <li>■ Excellent resistance to chemicals</li> <li>■ Good resistance to a wide range of commercially available hand creams</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ DIN 68861-1B Resistance to chemicals</li> <li>■ EC type examination certificate (module B), IMO Resolution</li> </ul>
Mixing:	5:1 with Aqua H-480 by volume (5:1 by weight)
Application / Directions:	Flow cup gun: nozzle size: 1.6 – 1.8 mm atomiser air pressure: 2.0 – 3.0 bar
Application rate:	80 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 12 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 30 – 45 minutes

Quantity per pallet	96
Packaging unit	5 l Tin bucket
Container code	05
Art. No.	
3872 clear	■



System products	Art. No.
Aqua H-480	(3806)
Aqua V-490	(1939)
Aqua 2DS-450-2K	(3869)
Aqua CL-440	(3802)



0736/2019  
USCG-Nr.:  
164.112/EC0736/116528-00



# Aqua FKL-402 Joint Filler Liquid

Water-based joint filler liquid for parquet and wooden floors

Range of use:	Filling of parquet and wooden floors
Property profile:	<ul style="list-style-type: none"><li>■ Low volume shrinkage</li><li>■ Low solvent, environmentally compatible, mild odour</li><li>■ Quick drying</li></ul>
Mixing:	Thicken with 10 – 20% wood flour from sanding to form a compound that can be applied with a filling knife
Application / Directions:	<ul style="list-style-type: none"><li>■ Apply with a filling knife (4788) before the last sanding</li><li>■ After drying, sand the wood surface</li><li>■ Check colour, adhesion and compatibility with the substrate by setting up a trial area</li></ul>
Application rate:	Approx. 50 ml/m <sup>2</sup> Effective application rate: depending on the structure of the floor
Can be overcoated:	Can be sanded/coated: after approx. 45 – 60 minutes (practice values at 20 °C and 65 % relative humidity)

Quantity per pallet	96
Packaging unit	5 l Plastic canister
Container code	05
Art. No.	
2368 clear	■



System products	Art. No.
Aqua PL-413	(2374)
HWS-112	(1826)
HSO-118 [eco]	(2590)



# Aqua MSV-403 Parquet Primer

Special primer for parquet and wooden floors to reduce the lateral bonding

Range of use:	<ul style="list-style-type: none"><li>■ Small slat parquet and parquet that is not shear resistant</li><li>■ Board floorings</li><li>■ Wood-block floors</li><li>■ Heated floors</li></ul>
Property profile:	<ul style="list-style-type: none"><li>■ Minimises gluing in joints of parquet board</li><li>■ Reduces the risk of joints tearing apart</li><li>■ Good sanding properties</li></ul>
Application / Directions:	<ul style="list-style-type: none"><li>■ Roller</li><li>■ Intermediate and final coats of suitable products can be applied after drying</li><li>■ When allowed to dry overnight, intermediate sanding is required</li><li>■ Check colour, adhesion and compatibility with the substrate by setting up a trial area</li></ul>
Application rate:	100 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 1 – 2 hours (practice values at 20 °C and 65 % relative humidity)

Quantity per pallet	96
Packaging unit	5 l Plastic canister
Container code	05
Art. No.	
2369 clear	■



System products	Art. No.
Aqua FKL-402	(2368)
Aqua PL-413	(2374)
Aqua V-490	(1939)

# Aqua PL-413 Parquet Varnish

Clear single-component sealing varnish for roller application

Range of use:	<ul style="list-style-type: none"> <li>For hard wearing wood substrates in homes</li> <li>Living areas (e.g. parquet, stair steps, floorboards)</li> <li>As two-component varnish with 10 % Aqua H-480 Hardener for wood substrates exposed to heavy loads</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Resistant to abrasion and scratches</li> <li>Excellent emphasis of the grain</li> <li>Very good resistance to water</li> <li>Good flow properties on horizontal surfaces</li> <li>Improved mechanical and chemical resistance when hardened with Aqua H-480 Hardener</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>DIN EN 71-3 "Safety for toys"</li> <li>Care instructions</li> <li>Approval as surface coating system for parquets and wood floors</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>Apply using a brush or roller</li> <li>Check colour, adhesion and compatibility with the substrate by setting up a trial area</li> <li>Use Aqua H-480 Hardener only for the finishing coat (mix in with Patent Disperser)</li> </ul>
Application rate:	100 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 4 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 1 hour

<b>Quantity per pallet</b>	<b>96</b>	<b>60</b>
<b>Packaging unit</b>	<b>5 l</b> Plastic canister	<b>10 l</b> Plastic canister
<b>Container code</b>	05	10
<b>Aqua PL-413/20 matt</b>		
2376 clear	■	■
<b>Aqua PL-413/30 silk matt</b>		
2375 clear	■	■
<b>Aqua PL-413/50 silk gloss</b>		
2374 clear	■	■



System products	Art. No.
Aqua H-480	(3806)
Aqua FKL-402	(2368)
Aqua MSV-403	(2369)
Stairs and Parquet Fresh	(2393)
Aqua V-490	(1939)
SM-820	(1942)



# Varnished Floor Care

Cleaning agent for sealed wooden floors

Range of use:	<ul style="list-style-type: none"><li>■ Wooden floors and stairs</li><li>■ Cork floors</li><li>■ PVC &amp; linoleum floor coverings</li><li>■ Laminate</li><li>■ Natural and artificial stone floor</li><li>■ Sports floors</li></ul>
Property profile:	<ul style="list-style-type: none"><li>■ Repels dust and dirt for easy-care surfaces</li><li>■ Protects the surface from early wear</li><li>■ Slip-resistant</li><li>■ Just one product for both first-time and maintenance care</li></ul>
Certifications/Test standards:	Data sheet on ingredients
Application / Directions:	<ul style="list-style-type: none"><li>■ Damp-wipe the floor</li><li>■ Wait 7 days before treating freshly sealed wood floors</li><li>■ Never flood wood floors, damages caused by wood swelling can ensue</li><li>■ To avoid stains, never leave damp cloths on wood surfaces</li></ul>
Application rate:	200 ml per 10 l of cleaning water

<b>Quantity per pallet</b>	<b>288</b>
<b>Packaging unit</b>	<b>4 × 1 l</b> Plastic bottle
<b>Container code</b>	01
<b>Art. No.</b>	
2410	■



System products	Art. No.
Aqua PL-413	(2374)
Aqua PL-412	(2372)



# Water-based pigment fillers and colour varnishes

All opaque water-based intermediate and finishing coatings by Remmers impress with their high opacity, fast drying times and excellent sanding properties. This allows complete coating build-ups - with a filler and colour varnish - to be made in one day. Upon request, complete coating build-ups can now be made even faster with the one-pot-system Aqua CL-445 Colour Opaque 4in1.





#### Customer benefits in detail:

- High performance single-component fillers & opaque colour varnishes
- No hardener, no thinner, no pot life, no waste
- High opacity
- Eco-friendly & quick-drying



#### Pigment Fillers

- **Aqua PF-430 Pigment Filler (page 20)**  
Single-component, easy-to-sand filler for opaque varnishes
- **Aqua VTF-435 Full Tone Filler (page 21)**  
Colouring, single-component, spraying filler for brilliant full-tone colours
- **Aqua IF-431 1K Sealer (page 22)**  
Highly pigmented, single-component filler with very good sealing power

#### Colour Varnishes

- **Aqua CL-440 Colour Opaque (page 24)**  
Single-component, fire-resistant, lightfast, durable colour varnish
- **Aqua CL-445 Colour Opaque 4in1 (page 25)**  
Single-component, colour multi-layer lacquer for use as insulation, filler, opaque lacquer and topcoat

# Aqua PF-430 Pigment Filler

Single-component, easy-to-sand filler for opaque varnishes

Range of use:	<ul style="list-style-type: none"> <li>■ Preparing opaque, pigmented varnishes</li> <li>■ Solid wood and wood-based materials</li> <li>■ Furniture and interior finishing work</li> <li>■ Shop fitting and trade fair stands</li> <li>■ Colour varnish for use in combination with clear coating (for components of secondary importance)</li> <li>■ Promotes adhesion on glass-fibre reinforced plastics</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Single-component: simple and economical handling</li> <li>■ Excellent filling and hiding power</li> <li>■ High stability</li> <li>■ Quick drying</li> <li>■ Low odour</li> <li>■ Excellent sanding properties</li> <li>■ Fire resistant</li> <li>■ Lightfast</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ Reaction to fire, low flammability: DIN 4102 (B1) (varnish system)</li> <li>■ EC type examination certificate (module B), IMO Resolution</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	Approx. 120 – 150 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 2 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 45 minutes

Quantity per pallet	96	22
Packaging unit	5 l Tin bucket	20 l Tin bucket
Container code	05	20
Art. No.		
3265 white	■	■
3269 pure white (RAL 9010)	■	■
3267 special light colours*	■	■



System products	Art. No.
Aqua TL-412	(2372)
Aqua CL-440	(3802)
PUR CL-240	(1965)
PUR HSC-245/30	(2583)
Aqua V-490	(1939)
UMA-824	(3249)



0736/2019  
USCG-Nr.:  
164.112/EC0736/116531-00



# Aqua VTF-435 Full Tone Filler

Colouring, single-component, spraying filler for brilliant full-tone colours

Range of use:	<ul style="list-style-type: none"> <li>■ Preparing opaque, full-tone varnishes</li> <li>■ Solid wood and wood-based materials</li> <li>■ High-quality furniture</li> <li>■ Interior finishing work: e.g. panels, borders, cladding &amp; interior doors</li> <li>■ Shop fitting and trade fair stands</li> <li>■ Filler for the reconditioning of residues (Aqua CL-440)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Single-component: simple and economical handling</li> <li>■ Flexible tinting helps to provide the ideal colour match with final coats</li> <li>■ Quick drying</li> <li>■ Very good sanding properties</li> <li>■ High stability</li> <li>■ For brilliant coatings with high hiding power</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	Approx. 120 – 150 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 2 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 45 minutes

<b>Quantity per pallet</b>	<b>96</b>	<b>22</b>
<b>Packaging unit</b>	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	05	20
<b>Art. No.</b>		
3270	■ *	■ **



System products	Art. No.
Aqua CL-440	(3802)

# Aqua IF-431 1K Sealer

Highly pigmented, single-component filler with very good sealing power

Range of use:	<ul style="list-style-type: none"> <li>■ Preparing opaque, pigmented varnishes</li> <li>■ Solid wood &amp; veneers</li> <li>■ Wood materials</li> <li>■ Woods containing water-soluble substances, such as ash, oak, whitewood/yellow poplar</li> <li>■ High-quality furniture</li> <li>■ Wooden stairs</li> <li>■ Damp interiors (kitchen and bathroom)</li> <li>■ Interior finishing work: e.g. panels, borders, cladding &amp; interior doors</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Single-component: simple and economical handling</li> <li>■ Very good sealing effect (moisture and water-soluble substances in wood)</li> <li>■ Primer for marked-pore coatings</li> <li>■ Good sanding properties</li> <li>■ Low risk of sanding through</li> <li>■ Can be coated with Aqua and PUR varnishes</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>■ To obtain an optimal sealing effect on woods containing large quantities of water-soluble substances, priming twice is necessary</li> </ul>
Application rate:	Approx. 120 – 150 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 4 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 1 hour

<b>Quantity per pallet</b>	<b>96</b>	<b>22</b>
<b>Packaging unit</b>	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	05	20
<b>Art. No.</b>		
3217    white	■	■



System products	Art. No.
Aqua CL-440	(3802)
Aqua CL-445	(3796)
PUR CL-240	(1965)
PUR HSC-245/30	(2583)





# Aqua CL-440 Colour Opaque

Single-component, fire-resistant, lightfast, durable colour varnish

Range of use:	<ul style="list-style-type: none"> <li>Wood and wood-based materials</li> <li>High-quality furniture</li> <li>Interior finishing work: e.g. panels, borders, cladding &amp; interior doors</li> <li>Shop fitting and trade fair stands</li> <li>Especially suitable for use on surfaces that have been pre-treated with Remmers Aqua fillers</li> <li>As a glass lacquer (in combination with Aqua VGA-485)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Single-component: simple and economical handling</li> <li>Can also be used on vertical surfaces</li> <li>Good flow properties and good resistance to metal rings</li> <li>Lightfast with high hiding power</li> <li>Quick drying and can thus be stapled after a very short time</li> <li>Excellent resistance to chemicals</li> <li>Good resistance to a wide range of commercially available hand creams</li> <li>Fire resistant</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>DIN EN 71-3 "Safety for toys"</li> <li>DIN EN 71-9 "Safety for toys"</li> <li>DIN 68861-1B Resistance to chemicals</li> <li>Reaction to fire, low flammability: DIN 4102 (B1)</li> <li>Reaction to fire, low flammability: DIN EN 13501-1 (C-s2, d0)</li> <li>EC type examination certificate (module B), IMO Resolution</li> <li>Low emission according to the AgBB scheme</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>Spray or apply by roller or brush (only when diluted)</li> <li>Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>On non-wood substrates such as glass, sanded priming films, melamine resins and PU paints, adhesion can be significantly improved by adding Aqua VGA-485.</li> </ul>
Application rate:	Approx. 120 – 150 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 4 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 1 hour

Quantity per pallet	672	200	96	22
Packaging unit	0,75 l Tin bucket	2.5 l Tin bucket	5 l Tin bucket	20 l Tin bucket
Container code	01	03	05	20
<b>Aqua CL-440/20 matt</b>				
3876 white (RAL 9016)		■	■	■
3877 pure white (RAL 9010)			■	■
3878 special colours	■	■	■	■
15092 BASIS B*		■	■	■
15093 BASIS C**		■	■	■
<b>Aqua CL-440/30 semi-matt</b>				
3802 white (RAL 9016)		■	■	■
3803 pure white (RAL 9010)			■	■
3805 special colours	■	■	■	■
15037 BASIS B*	■		■	■
15038 BASIS C**	■		■	■



System products	Art. No.
Aqua PF-430	(3265)
Aqua VTF-435	(3270)
Aqua IF-431-1K	(3217)
Aqua VGA-485	(3256)
Aqua SL-418	(5310)
Aqua V-490	(1939)
SM-820	(1942)
UMA-824	(3249)
Aqua MM-825	(3875)
Aqua TL-412	(2372)



# Aqua CL-445 Colour Opaque 4in1

Single-component, colour multi-layer lacquer for use as insulation, filler, opaque lacquer and topcoat

Range of use:	<ul style="list-style-type: none"> <li>■ Interior wood</li> <li>■ Solid wood and wood-based materials</li> <li>■ High-quality furniture</li> <li>■ Interior finishing work: e.g. panels, borders, cladding &amp; interior doors</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Single-component: simple and economical handling</li> <li>■ insulation, filler, opaque lacquer and topcoat</li> <li>■ Good flow properties</li> <li>■ Quick drying</li> <li>■ Good hiding power</li> <li>■ Very high resistance to metal rings</li> <li>■ Good resistance to chemicals</li> <li>■ Good resistance to a wide range of commercially available hand creams</li> <li>■ Lightfast</li> </ul>
Certifications/Test standards:	DIN EN 71-3 "Safety for toys"
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>■ Check colour, adhesion and compatibility with the substrate, by setting up a trial area</li> </ul>
Application rate:	150 – 200 ml/m <sup>2</sup> per coat, min. 2 coats
Can be overcoated:	After approx. 3 – 4 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after approx. 1 hour

Quantity per pallet	96	22
Packaging unit	5 l Tin bucket	20 l Tin bucket
Container code	05	20
Art. No.		
3796	white (RAL 9016)	■
3797	pure white (RAL 9010)	■
3798	white-based special colours	■



System products	Art. No.
Aqua TL-412	(2372)





# Hardeners, thinners and additives for water-based varnishes

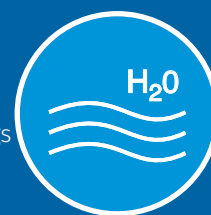
In most cases, Remmers Aqua coatings can be used without a hardener component. For very demanding coating applications (e.g. high gloss finishes) however, they are needed. The addition of cross-linking agents and other additives allow to improve the adhesion properties of Remmers Aqua coatings on various non-wooden substrates considerably. This way, full-featured, perfectly adhering glass finishes can be made of selected single-component Aqua varnishes and Aqua VGA-485.





#### Customer benefits in detail:

- Production of metal and glass varnishes
- Production of textured coatings
- Efficient cleaning of tools



#### Hardener /Cross-Linking Agent

- **Aqua H-480 Hardener (page 28)**  
Isocyanate for hardening Aqua coatings
- **Aqua VGA-485 Cross-Linking Agent & Glass Lacquer Additive (page 28)**  
Improves the resistance and adhesion to glass of selected single-component Aqua lacquers

#### Thinners /Cleaning of Tools

- **Aqua V-490 Retarder (page 29)**  
Retarder for improving flow properties
- **Aqua RK-898 Cleaning Concentrate (page 29)**  
Highly effective cleaning product for tools and equipment

#### Admixtures and Additives

- **UMA-824 Universal Metal Adhesion Promoter Additive (page 30)**  
Additive to improve adhesion of selected coatings to selected metals
- **ASM-820 Texturing Agent (page 30)**  
Additive for the production of textured varnishes
- **Aqua MM-825 Matting Agent (page 31)**  
Matting paste for water-based coating materials



# Aqua H-480 Hardener

Isocyanate for hardening Aqua coatings

Range of use:	<ul style="list-style-type: none"> <li>■ In two-component Aqua varnishes</li> <li>■ Optional in Aqua PL-413: for improved resistance values</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Improves physical and chemical resistance</li> <li>■ Lightfast</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>■ For details on mixing ratio and use, please refer to the technical data sheet of the varnish component</li> <li>■ Add hardener while stirring and homogenise the mixture for at least 2 minutes using the Remmers Patent Disperser</li> </ul>
Application rate:	See information on the varnish component

Quantity per pallet	880	192
Packaging unit	0,5 l Tin canister	2 l Tin canister
Container code	84	02
Art. No.		
3806	■	■



System products	Art. No.
Aqua 2DS-450-2K	(3869)
Aqua 2HL-411/90-2K	(3872)
Aqua PL-413	(2374)

# Aqua VGA-485 Cross-Linking Agent & Glass Lacquer Additive

Improves the resistance and adhesion to glass of selected single-component Aqua lacquers

Range of use:	<ul style="list-style-type: none"> <li>■ Preparation of glass lacquers</li> <li>■ Coloured designs on the rear face of glass surfaces</li> <li>■ Improving the resistance of the lacquer</li> <li>■ Furniture building and shop fitting</li> <li>■ In selected single-component Aqua lacquers</li> <li>■ For use by professionals</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Significant improvement in adhesion of lacquer on glass</li> <li>■ Cost-effective alternative also suitable for small production runs</li> <li>■ Easy to use</li> <li>■ No pot life (the lacquer regains its 1K properties after 8 hours)</li> <li>■ Improves the resistance to chemicals of single-component lacquers</li> </ul>

Quantity per pallet	420	444
Packaging unit	0,1 l Plastic canister	1 l Tin canister
Container code	81	01
Art. No.		
3256	■	■



System products	Art. No.
Aqua SL-418	(5310)
Aqua TL-412	(2372)
Aqua CL-440	(3802)

# Aqua V-490 Retarder

Retarder for improving flow properties

Range of use:	<ul style="list-style-type: none"> <li>Application of single-component Aqua lacquers by brush, roller and spraying</li> <li>Application of two-component lacquers by spraying</li> <li>At low air humidity: optimisation of flow properties of Aqua varnishes</li> <li>On absorbent woods: fine-tuning of Aqua-stains</li> </ul>
Property profile:	Allows for a longer open time (Aqua varnishes or stains)
Application / Directions:	Pre-mix the product 1:1 with water and add to the varnish while stirring continuously
Application rate:	<ul style="list-style-type: none"> <li>Approx. 5 – 10 % addition to Aqua stains</li> <li>Approx. 1 – 3 % addition to Remmers Aqua varnishes</li> </ul>

Quantity per pallet	432
Packaging unit	0,75 l Tin canister
Container code	01
Art. No.	
1939	■



System products

See page 33

# Aqua RK-898 Cleaning Concentrate

Highly effective cleaning product for tools and equipment

Range of use:	<ul style="list-style-type: none"> <li>Cleaning tools</li> <li>Spraying equipment, overhead conveyors etc.</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>High-yielding concentrate</li> <li>Removes freshly splashed Aqua varnishes quickly and easily</li> <li>Does not attack the surfaces of anodised components (e.g. flow cup guns)</li> </ul>
Application / Directions:	Check colour, adhesion and compatibility with the substrate, by setting up a trial area

Quantity per pallet	96	24
Packaging unit	5 l Plastic canister	30 l Plastic canister
Container code	05	30
Art. No.		
3868	■	■



# UMA-824 UMA-824 Universal Metal Adhesion Promoter Additive

Additive to improve adhesion of selected lacquers to selected metals

Range of use:	<ul style="list-style-type: none"><li>■ Use in water &amp; solvent based varnishes</li><li>■ Aluminium, stainless steel, galvanised steel, non-stainless steel</li><li>■ Other substrates must be tested first!</li></ul>
Property profile:	<ul style="list-style-type: none"><li>■ Considerably improves adhesion of the varnish</li><li>■ Pot-life of two-component coatings is reduced by approx. 50 %</li></ul>



Quantity per pallet	880
Packaging unit	0,5 l Tin canister
Container code	84
Art. No.	
3249	■



System products	Art. No.
Aqua TL-412	(2372)
Aqua PF-430	(3265)
Aqua CL-440	(3802)

## SM-820 Texturing Agent

Additive for the production of textured varnishes

Range of use:	<ul style="list-style-type: none"><li>■ PUR varnishes and Aqua varnishes</li><li>■ Production of textured varnishes</li><li>■ Use in glass varnishes</li><li>■ Also for improving of anti-slip properties on floors</li><li>■ Creation of decorative effects (see collection Wood Trends Interieur)</li></ul>
Property profile:	<ul style="list-style-type: none"><li>■ Produces a coarse feel</li><li>■ Improves surface resistance</li><li>■ Creates a matt look</li></ul>
Mixing:	Approx. 100 ml (40 g) per litre (1000 g) of ready-for-use varnish



Quantity per pallet			288
Packaging unit			0,5 kg Tin bucket
Container code			01
Art. No.			
1942	SM-820/S Texturing Agent fine	■	
1943	SM-820/M Texturing Agent medium	■	
1944	SM-820/L Texturing Agent coarse	■	
1949	SM-820/XL Texturing Agent extra coarse	■	

System products

See page 33

# Aqua MM-825 Matting Agent

Matting paste for water-based coating materials

Range of use:	<ul style="list-style-type: none"><li>■ Matting paste for reducing the degree of gloss</li><li>■ Not suitable for matt coating systems</li></ul>
Property profile:	<ul style="list-style-type: none"><li>■ Reduces the degree of gloss in water-based coating materials</li><li>■ Variable reduction in degree of gloss possible</li></ul>
Application / Directions:	Check colour, adhesion and compatibility with the substrate, by setting up a trial area
Application rate:	An addition of approx. 4% to paint reduces the degree of gloss by approx. 10 gloss units (max. dosage 10%)

Quantity per pallet	288
Packaging unit	1 l bottle
Container code	01
Art. No.	
3875	■



System products	Art. No.
Aqua SL-418	(5310)
Aqua CL-440	(3802)

# General Directions

## Water-based coating systems

**Water coatings can be the right choice for a wide range of use if the following points are considered:**

- All equipment used should be non-corrosive, all wetted parts should be made of stainless steel.
- The nozzle size, sprayer air lid, material conduits as well as the spraying equipment are to be adjusted to the water-based varnishes. The compressed air supply for the spraying equipment should be provided with technically pure air.



- It is recommended to remove the water vapour emanating from the varnish by airflow to ensure thorough drying. This method, which is easily implemented by using fans, is often sufficient for a short drying time.
  - Water-based varnishes should only be applied in the specified amounts, since the drying time can be delayed significantly by too high a layer thickness and lead to surface disturbances (strong swelling of the wood substrate, increased dust inclusions, cracks from drying, flow problems). Remmers Aqua coatings have a higher solid content than comparable solvent-based coatings and can therefore be applied in thinner layers, thus allowing material savings.
  - Dry coating residues, e.g. on the spout of the container, do not dissolve in water-based varnishes. The material must always be processed with a suitable filter.
  - Final sanding of the raw wood as well as intermediate sanding should be finer. The selection of wood-based materials to be coated should be evaluated in terms of swelling behaviour. This is especially true for MDF boards.
  - In the course of their development, Remmers Aqua coatings have presented a continuously improving emphasis of the grain of the wood substrate. The initially milky appearance of the wet coating layer becomes transparent once it has completely dried out.
  - When using the Aqua Hardener H-480 in the corresponding coating products, it must be carefully mixed by using the Patent Disperser (Art. No. 474701 / 474702) and, if necessary, diluted with water. Special attention must be paid to the pot life. After mixing, material residues must not be allowed to dry in closed containers.
- Equipment that is used alternately with solvent-based coatings, must be cleaned thoroughly and then washed with UN-894. Dry coating residues can be removed with of Aqua RK-898 Cleaner Concentrate.
  - The air and material temperature and the parts to be coated should have a temperature of 18 to 25° C during the application. Water-based varnishes should not be transported nor stocked at temperatures below 5 °C.
  - The wood moisture content should be between 8 and 12% and the relative air humidity between 45 and 65%.



# Combination Options

Aqua varnishes with hardeners, thinners and additives

Varnishes	Hardeners / Thinners		Additives / Effects			
	Aqua H-480 Hardener	Aqua V-490 Retarder	Aqua VGA-485 Cross-Linking Agent & Glass Lacquer Additive	SM-820 Agent	UMA-824 Texturing Metal Adhesion Promoter	Aqua MM-825 Universal Matting- Agent
Aqua MSV-403 Parquet Primer		■				
Aqua SL-414 Finish		■		■		
Aqua SL-418 Finish		■	■	■		■
Aqua 2DS-450 2K Diamond Seal	■ *	■		■		
Aqua 2HL-411/90 2K High Gloss Varnish	■ *	■				
Aqua TL-412 Stair varnish		■	■	■	■	
Aqua PL-413 Parquet Varnish	■	■		■		
Aqua PF-430 Pigment Filler		■			■	
Aqua IF-431 1K Sealing Filler		■				
Aqua CL-440 Colour opaque		■	■	■	■	■
Aqua CL-445 Colour opaque 4in1				■		

# Transparent coating systems

## Water-based build-ups

Range of use	Oak and ash	Beech and alder	Maple and birch
Living room & bedroom furniture	T1 / T3	T1 / T3	T1 / T3 / T4
Kitchen and bathroom furniture	T2	T2	T2 / T4
Tables and worktops, counters	T2	T2	T2
Ceiling and wall linings	T1 / T3	T1 / T3	T1 / T3
Trade fair stands and shop fitting	T1 / T3	T1 / T3	T1 / T3 / T4
Interior furnishing	T1 / T3	T1 / T3	T1 / T3 / T4
Ship interior finishing	T1 / T2 / T3 / T5	T1 / T2 / T3 / T5	T1 / T2 / T3 / T4 / T5
Interior doors	T1 / T3	T1 / T3	T1 / T3 / T4
Stairs	T5	T5	T5
Wood floors	T6	T6	T6

Range of use	Walnut, mahogany and cherry	Spruce / fir (knot-free)	Glass
Living room & bedroom furniture	T1 / T4	T1 / T3	T7
Kitchen and bathroom furniture	T2 / T4	T2	T7
Tables and worktops, counters	T2	–	T7
Ceiling and wall linings	T1	T1 / T3	T7
Trade fair stands and shop fitting	T1 / T4	T1 / T3	T7
Interior furnishing	T1 / T4	T1 / T3	T7
Ship interior finishing	T1 / T2 / T4 / T5	T1 / T2 / T3 / T5	–
Interior doors	T1 / T4	T1 / T3	T7
Stairs	T5	T5	T7
Wood floors	T6	T6	–



## System solutions

System	Properties	Operation	Product
<b>T1</b>	<ul style="list-style-type: none"> <li>Single-component coating</li> <li>Good emphasis of grain</li> <li>High durability</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Colouring / stains for hardwood / softwood (if needed)</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Finishing coat</li> </ul>	P100 – P180 Aqua BB-007 or Aqua KB-004 / Aqua PB-006  Aqua SL-418 P240 – P320 Aqua SL-418
<b>T2</b>	<ul style="list-style-type: none"> <li>Two-component coating</li> <li>Very high durability</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Colouring / stains for hardwood / softwood (if needed)</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Finishing coat</li> </ul>	P100 – P180 Aqua BB-007 or Aqua KB-004 / Aqua PB-006  Aqua 2DS-450 + Aqua H-480 P240 – P320 Aqua 2DS-450 + Aqua H-480
<b>T3</b>	<ul style="list-style-type: none"> <li>Single-component, natural look coating</li> <li>Cloth matt</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Finishing coat</li> </ul>	P100 – P180 Aqua NEL-419/05 P240 – P320 Aqua NEL-419/05
<b>T4</b>	<ul style="list-style-type: none"> <li>Two-component, high-gloss coating</li> <li>Decopaint-conformant</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Colouring / stains for hardwood</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Finishing coat*</li> <li>(If needed: intermediate sanding / repeat finishing coat)</li> </ul>	P180 – P320 Aqua BB-007 or Aqua KB-004 Aqua 2HL-411/90 + Aqua H-480 P400 – P800 Aqua 2HL-411/90 + Aqua H-480
<b>T5</b>	<ul style="list-style-type: none"> <li>Single-component stair varnish</li> <li>Rational</li> <li>High durability</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Colouring / stains for hardwood / softwood (if needed)</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Finishing coat</li> </ul>	P100 – P180 Aqua BB-007 or Aqua KB-004 / Aqua PB-006  Aqua TL-412 P240 – P320 Aqua TL-412
<b>T6</b>	<ul style="list-style-type: none"> <li>Sealing of parquets</li> <li>High/very high mechanical resistance</li> <li>Suitable for universal use</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Filling (if needed)</li> <li>Priming</li> <li>Drying / Sanding (no intermediate sanding)</li> <li>Intermediate coating</li> <li>Drying / Sanding (after drying)</li> <li>Finishing coat</li> </ul>	P100 – P180 Aqua FKL-402 Aqua MSV-403  Aqua PL-413 P180 – P320 Aqua PL-413 (optional: +Aqua H-480)
<b>T7</b>	<ul style="list-style-type: none"> <li>Coating on glass</li> <li>Very good wet adhesion</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Cleaning</li> <li>Coating</li> <li>Optional additivation (for special effects)</li> </ul>	UN-894 or V-890 Aqua SL-418 + Aqua VGA-485 SM-820

\* Remove dust afterwards

\*\* Can be polished after 2–3

# Opaque coating systems

## Water-based build-ups

Range of use	Oak and ash	Beech and alder	Whitewood	Spruce / fir (knot-free)	MDF boards (raw)
Living room & bedroom furniture	D 4	D 1 / D 2	D 4	D 1 / D 2	D 1 / D 2
Kitchen and bathroom furniture	D 6	D 5	–	D 5	D 5
Tables and worktops, counters	D 6	D 5	–	–	D 5
Ceiling and wall linings	D 4	D 1 / D 2	D 4	D 1 / D 2	D 1 / D 2
Trade fair stands and shop fitting	D 4	D 1 / D 2	D 4	D 1 / D 2	D 1 / D 2
Interior furnishing	D 4	D 1 / D 2	D 4	D 1 / D 2	D 1 / D 2
Ship interior finishing	D 6	D 1 / D 5	–	D 1 / D 5	D 1 / D 5
Interior doors	D 4	D 1 / D 2	D 4	D 1 / D 2	D 1 / D 2
Stairs	D 4	D 5	D 4	D 3	D 3
Wood floors	–	–	–	–	–

Range of use	MDF boards (with priming film)	Glass	Plastics	Metals
Living room & bedroom furniture	D 1 / D 2 / D 7	D 8	D 1*	D 9
Kitchen and bathroom furniture	D 5 / D 7	D 8	D 5*	–
Tables and worktops, counters	D 5	D 8	D 5*	–
Ceiling and wall linings	D 1 / D 2	D 8	–	–
Trade fair stands and shop fitting	D 1 / D 2 / D 7	D 8	D 1*	D 9
Interior furnishing	D 1 / D 2 / D 7	D 8	D 1*	D 9
Ship interior finishing	D 1 / D 5 / D 7	–	–	–
Interior doors	D 1 / D 2 / D 7	D 8	–	D 9
Stairs	D 3	D 8	–	–
Wood floors	–	–	–	–

## System solutions

System	Properties	Operation	Product
<b>D1</b>	<ul style="list-style-type: none"> <li>Single-component colour coating</li> <li>High durability</li> <li>Suitable for universal use</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Colour coating</li> <li>Optional clear topcoat (degree of gloss, higher resistance to rings)</li> </ul>	P180 – P320 Aqua PF-430 P240 – P320 Aqua CL-440 Aqua TL-412
<b>D2</b>	<ul style="list-style-type: none"> <li>Single-component colour coating</li> <li>4in1</li> <li>High durability</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Colour coating (repeat if needed)</li> </ul>	P180 – P320 Aqua CL-445 P240 – P320 Aqua CL-445
<b>D3</b>	<ul style="list-style-type: none"> <li>Single-component colour coating</li> <li>High resistance to abrasion and hand creams</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Colour coating</li> <li>Optional clear topcoat (for surfaces exposed to mechanical stresses)</li> </ul>	P180 – P320 Aqua CL-445 P240 – P320 Aqua CL-445 Aqua TL-412
<b>D4</b>	<ul style="list-style-type: none"> <li>Single-component colour coating</li> <li>Very good sealing effect</li> <li>High resistance against abrasion and hand creams</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Priming</li> <li>Intermediate coating</li> <li>Drying / Sanding (after drying)</li> <li>Colour coating</li> <li>Optional clear topcoat (for surfaces exposed to mechanical stresses)</li> </ul>	P180 – P320 Aqua IF-431 Aqua IF-431 P240 – P320 Aqua CL-445 Aqua TL-412
<b>D5</b>	<ul style="list-style-type: none"> <li>Two-component colour coating</li> <li>Very high durability</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Colour coating</li> <li>Clear topcoat</li> </ul>	P180 – P320 Aqua PF-430 P240 – P320 Aqua CL-440 Aqua 2DS-450 + Aqua H-480
<b>D6</b>	<ul style="list-style-type: none"> <li>Two-component colour coating</li> <li>Visible pores</li> <li>Very high durability</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Colour coating</li> <li>Clear topcoat</li> </ul>	P180 – P320 Aqua 2DS-450 + Aqua H-480 P240 – P320 Aqua CL-440 Aqua 2DS-450 + Aqua H-480
<b>D7</b>	<ul style="list-style-type: none"> <li>Two-component, high-gloss colour coating</li> <li>Decopaint-conformant</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Colour coating</li> <li>Drying / Sanding (after drying)</li> <li>Clear topcoat** (intermediate sanding, if needed / repeat finishing coat)</li> </ul>	P180 – P320 Aqua PF-430 P240 – P320 Aqua CL-440 + Aqua VGA-485**** P400 – P800 Aqua 2HL-411/90 + Aqua H-480
<b>D8</b>	<ul style="list-style-type: none"> <li>Coating on glass</li> <li>Very good wet adhesion</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Cleaning</li> <li>Colour coating</li> </ul>	UN-894 or V-890 Aqua CL-440 + Aqua VGA-485
<b>D9</b>	<ul style="list-style-type: none"> <li>Coating of metals</li> <li>Very good wet adhesion</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Cleaning</li> <li>Priming***</li> <li>Drying / Sanding (after drying)</li> <li>Colour coating</li> <li>Optional clear topcoat (gloss degree, higher resistance to rings)</li> </ul>	V-890 / WV-891 Aqua PF-430 + UMA-824*** P240 – P320 Aqua CL-440 Aqua TL-412

\* Remove dust afterwards

\*\* Can be polished after 2-3 days

\*\*\* Alternative primer if anti-corrosion protection is required: Aqua AG-26

\*\*\*\* for use in ship interiors: apply without Aqua VGA-485





# Solvent-based, transparent primers, finishes and topcoats

The furniture coatings in this category impress with their exceptional application properties and their uncompromisingly resistant and durable surfaces – e.g. for kitchen and bathroom furniture. From invisible, natural effect varnishes to high-gloss build-ups, everything is possible. Most of the products are compatible with the hardening component PUR H-280, thus keeping things simple. Functional coatings, such as our almost indestructible, cloth-matt PUR ASL-226/05 Anti-Scratch Varnish, complete the product range.



#### Customer benefits in detail:

- Lightfast, clear two-component varnishes for maximum resistance
- High gloss varnishes with very high build
- Cloth and dull matt natural effect finishes
- Almost all varnishes are compatible with the same hardener



#### Transparent Primers

- **PUR FG-201 Filling Primer (page 40)**  
lightfast, two-component filling primer for semi-closed to closed-pore lacquering systems
- **PUR FG-205 Filling Primer (page 41)**  
Clear, two-component spray primer/filler with excellent volume stability

#### Transparent Topcoats

- **PUR ASL-226/05 Anti-Scratch Varnish (page 47)**  
Two-component, cloth matt topcoat with excellent scratch resistance for extreme mechanical stresses
- **PUR HL-211/90 High Gloss Finish (page 48)**  
Lightfast, two-component topcoat for flame-resistant high gloss coatings
- **PUR HL-225/90 High Gloss Varnish (page 49)**  
Two-component topcoat with excellent volume stability that can be polished after a short time

#### Transparent Finishes

- **PUR SL-210 Finish (page 42)**  
Flame-resistant, two-component finish especially suited to public buildings
- **PUR SL-214 Finish (page 43)**  
Fast-drying, two-component finish with a long pot life
- **PUR SL-212 Finish (page 43)**  
Highly scratch resistant, full-build, two-component finish
- **PUR RHE-217/10 Raw Wood Effect Lacquer (page 45)**  
Two-component finish for natural wood effects on light and dark wood
- **PUR BML-215/10 Brilliant Matt Lacquer (page 46)**  
Two-component PUR lacquer for dull matt surfaces – including on dark wood

# PUR FG-201 Filling Primer

Lightfast, two-component filling primer for semi-closed to closed-pore lacquering systems

Range of use:	<ul style="list-style-type: none"> <li>■ Solid wood &amp; veneers</li> <li>■ Wooden materials</li> <li>■ Kitchen and bathroom furniture</li> <li>■ High-quality furniture</li> <li>■ Bleached wood</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Very fast drying</li> <li>■ Good sanding properties</li> <li>■ Good surface-filling properties</li> <li>■ Lightfast</li> <li>■ Free of aromatic compounds</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ Reaction to fire, low flammability: DIN EN 13501-1 (C-s2. d0)</li> <li>■ Reaction to fire DIN 4102 (B1)</li> <li>■ DIN EN 71-3 "Safety for toys"</li> </ul>
Mixing:	10:1 with PUR H-280 by volume (10:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.8 – 2.0 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>■ Check colour, adhesion and compatibility with the substrate, by setting up a trial area</li> </ul>
Application rate:	Approx. 80 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 1.5 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after approx. 15 minutes

<b>Quantity per pallet</b>	<b>60</b>	<b>22</b>
<b>Packaging unit</b>	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	05	20
<b>Art. No.</b>		
1950	■	■



System products	Art. No.
PUR H-280	(1975)
PUR HL-211/90	(1961)
V-890	(1955)
V-897	(1935)
V-893	(1981)



# PUR FG-205 Filling Primer

Clear, two-component spray primer/filler with excellent volume stability

Range of use:	<ul style="list-style-type: none"> <li>■ Solid wood &amp; veneers</li> <li>■ For higher climate change</li> <li>■ Kitchen and bathroom furniture</li> <li>■ Critical wood species (e.g. rosewood)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Quick-drying and easy to sand</li> <li>■ High filling power</li> <li>■ Good flow properties</li> <li>■ Good sealing effect</li> <li>■ High transparency</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ Suitability test for IMO Resolution passed, certification requested</li> <li>■ DIN 68861 part 1B Behaviour at chemical influence</li> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ DIN 53160-1 "Resistance against artificial saliva"</li> <li>■ DIN 53160-2 "Resistance against artificial sweat"</li> </ul>
Mixing:	2:1 with PUR H-286 by volume (2:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.8 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	100 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 1.5 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 30 minutes

<b>Quantity per pallet</b>	<b>60</b>
<b>Packaging unit</b>	<b>5 l</b> Tin bucket
<b>Container code</b>	05
<b>Art. No.</b>	
5129	■



System products	Art. No.
PUR H-286	(5139)
V-890	(1955)
PUR AFP-247/05	(5137)
PUR HL-225/90	(5131)
PUR CL-244	(5133)
PUR HCL-248/90	(5138)



# PUR SL-210 Finish

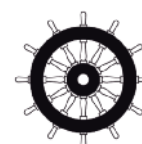
Flame-resistant, two-component finish especially suited to public buildings

Range of use:	<ul style="list-style-type: none"> <li>■ Primer &amp; topcoat</li> <li>■ Hospitals and medical practices</li> <li>■ Schools, nurseries and care facilities</li> <li>■ High-quality furniture</li> <li>■ Kitchen and bathroom furniture</li> <li>■ Ship interior finishing</li> <li>■ Shop fitting and trade fair stands</li> <li>■ Solid wood &amp; veneers</li> <li>■ Topcoat on coloured varnishes (resistance to metal rings, gloss level)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Quick drying</li> <li>■ Good sanding properties</li> <li>■ Good flow properties</li> <li>■ Excellent resistance to chemicals</li> <li>■ Lightfast</li> <li>■ Fire resistant</li> <li>■ Free of aromatic compounds</li> <li>■ Non-cytotoxic (not damaging to cells)</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ Reaction to fire, low flammability: DIN 4102 (B1), EN 13501-1 (C-S2. d0)</li> <li>■ EC type examination certificate (module B), IMO Resolution</li> <li>■ Test for cytotoxicity (ISO 10993-5, ISO 10993-12)</li> <li>■ DIN 68861. 1B Resistance to chemicals</li> </ul>
Mixing:	10:1 with PUR H-280 by volume (10:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.8 – 2.0 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	Approx. 80 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 2 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after approx. 20 – 30 minutes

Quantity per pallet	60	22
<b>Packaging unit</b>	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	05	20
<b>PUR SL-210/10 dull matt</b>		
1960 clear	■	■
<b>PUR SL-210/20 matt</b>		
1964 clear	■	■
<b>PUR SL-210/30 semi-matt</b>		
1963 clear	■	■
<b>PUR SL-210/50 silk gloss</b>		
1962 clear	■	



System products	Art. No.
PUR H-280	(1975)
V-890	(1955)
V-897	(1935)
V-893	(1981)
PUR GLA-820	(1946)
PUR CL-240	(1965)
SM-820	(1942)
UMA-824	(3249)
MM-823	(3867)





# PUR SL-214 Finish

Fast-drying, two-component finish with a long pot life

Range of use:	<ul style="list-style-type: none"> <li>■ Primer &amp; topcoat</li> <li>■ High-quality furniture</li> <li>■ Shop fitting and trade fair stands</li> <li>■ Solid wood &amp; veneers</li> <li>■ Topcoat on coloured varnishes (resistance to metal rings, gloss level)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Very fast drying</li> <li>■ Very good sanding properties</li> <li>■ Good flow properties</li> <li>■ Excellent resistance to chemicals</li> <li>■ Lightfast</li> <li>■ Longer working time</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ Test report ISO</li> </ul>
Mixing:	10:1 with PUR H-280 by volume (10:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.8 – 2.0 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	Approx. 80 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 1.5 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after approx. 20 – 30 minutes

<b>Quantity per pallet</b>	<b>60</b>	<b>22</b>
<b>Packaging unit</b>	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	05	20
<b>PUR SL-214/10 dull matt</b>		
1857 clear		■
<b>PUR SL-214/20 matt</b>		
1849 clear		■
<b>PUR SL-214/30 semi-matt</b>		
1850 clear	■	■



System products	Art. No.
PUR GLA-820	(1946)
PUR H-280	(1975)
V-890	(1955)
V-897	(1935)
V-893	(1981)
PUR CL-240	(1965)
SM-820	(1942)
MM-823	(3867)



# PUR SL-212 Finish

Highly scratch resistant, full-build, two-component finish

Range of use:	<ul style="list-style-type: none"> <li>■ Primer &amp; topcoat</li> <li>■ Solid wood &amp; veneers</li> <li>■ High-quality furniture</li> <li>■ Kitchen and bathroom furniture</li> <li>■ Tables and worktops</li> <li>■ Topcoat on coloured varnishes (resistance to metal rings, gloss level)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Quick drying</li> <li>■ Good sanding properties</li> <li>■ Good flow properties</li> <li>■ Excellent resistance to chemicals</li> <li>■ Lightfast</li> <li>■ Good stability (coating on suspended surfaces)</li> <li>■ High filling power</li> <li>■ Excellent scratch resistance</li> <li>■ High abrasion resistance</li> </ul>
Certifications/Test standards:	DIN EN 71-3 "Safety for toys"
Mixing:	10:1 with PUR H-280 by volume (10:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.8 – 2.0 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	Approx. 80 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 2 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 30 – 40 minutes

<b>Quantity per pallet</b>	<b>60</b>	<b>22</b>
<b>Packaging unit</b>	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	05	20
<b>PUR SL-212/20</b>		
1972 clear matt	■	■
<b>PUR SL-212/30</b>		
1971 clear semi-matt	■	■
<b>PUR SL-212/50</b>		
1970 clear silk gloss	■	■



System products	Art. No.
PUR H-280	(1975)
V-890	(1955)
V-897	(1935)
V-893	(1981)
PUR GLA-820	(1946)
PUR CL-240	(1965)
SM-820	(1942)
UMA-824	(3249)
MM-823	(3867)



# PUR RHE-217/10 Raw Wood Effect Lacquer

Two-component finish for natural wood effects on light and dark wood

Range of use:	<ul style="list-style-type: none"> <li>■ Primer &amp; topcoat</li> <li>■ Solid wood &amp; veneers</li> <li>■ Kitchen and bathroom furniture</li> <li>■ Bleached wood</li> <li>■ High-quality furniture</li> <li>■ Wood for which emphasis of the grain is not desired</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Quick drying</li> <li>■ Good sanding properties</li> <li>■ Good resistance to chemicals</li> <li>■ Lightfast</li> <li>■ No emphasis of the grain on the substrate</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ DIN 68861. 1C Resistance to chemicals</li> </ul>
Mixing:	10:1 with PUR H-280 by volume (10:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.8 – 2.0 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	Approx. 80 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 1.5 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after approx. 15 minutes

<b>Quantity per pallet</b>	<b>60</b>	<b>22</b>
<b>Packaging unit</b>	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	05	20
<b>Art. No.</b>		
1957	■	■



System products	Art. No.
PUR H-280	(1975)
V-890	(1955)
V-899	(5143)



# PUR BML-215/10 Brilliant Matt Lacquer

Two-component PUR lacquer for dull matt surfaces – including on dark wood

Range of use:	<ul style="list-style-type: none"> <li>■ Primer &amp; topcoat</li> <li>■ Solid wood &amp; veneers</li> <li>■ High-quality furniture</li> <li>■ Kitchen and bathroom furniture</li> <li>■ Dark and dark-stained wood</li> <li>■ Topcoat on coloured varnishes (resistance to metal rings, gloss level)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Quick drying</li> <li>■ Good sanding properties</li> <li>■ Excellent resistance to chemicals</li> <li>■ Excellent scratch resistance</li> <li>■ Resistant to polishing</li> <li>■ Lightfast</li> <li>■ High transparency</li> </ul>
Mixing:	10:1 with PUR H-280 by volume (10:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.8 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	Approx. 80 – 120 ml/m <sup>2</sup> per coat

<b>Quantity per pallet</b>	<b>60</b>	<b>22</b>
<b>Packaging unit</b>	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	05	20
<b>Art. No.</b>		
1941 dull matt	■	■



System products	Art. No.
PUR H-280	(1975)
V-890	(1955)
V-897	(1935)
V-893	(1981)
PUR RHE-217/10	(1957)

# PUR ASL-226/05 Anti-Scratch Varnish

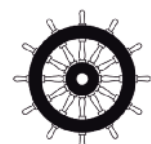
Two-component, cloth matt topcoat with excellent scratch resistance for extreme mechanical stresses

Range of use:	<ul style="list-style-type: none"> <li>High-quality furniture</li> <li>Solid wood and wood-based materials</li> <li>Very high scratch resistance</li> <li>Finishing coat</li> <li>Topcoat for Remmers PUR colour varnishes</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>High mechanical stresses</li> <li>Very high scratch resistance</li> <li>Very low tendency to shine</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>EC type examination certificate (module B), IMO Resolution</li> <li>DIN 68861 part 1B „Behaviour at chemical influence“ – with limitations for colouring substances</li> <li>DIN EN 71-3 “Safety for toys”</li> <li>DIN 53160-1 “Resistance against artificial saliva”</li> <li>DIN 53160-2 “Resistance against artificial sweat”</li> <li>DIN 68861-2 C “Furniture surfaces/Abrasion”</li> <li>DIN 68861-4 B “Furniture surfaces/Scratches”</li> </ul>
Mixing:	10:1 with PUR H-280 by volume (10:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>Flow cup gun: nozzle size: 1.8 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	Approx. 100 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	Dust-dry: after approx. 30 minutes (practice values at 20°C and 65% relative humidity)

<b>Quantity per pallet</b>	<b>60</b>	<b>22</b>
<b>Packaging unit</b>	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	05	20
<b>Art. No.</b>		
5130 clear cloth matt	■	■



System products	Art. No.
V-890	(1955)
PUR H-280	(1975)
PUR FG-201	(1950)
PUR RHE-217/10	(1957)
PUR CL-240	(1965)



0736/2018  
USCG-Nr.:  
164.112/EC0736/116522-00





# PUR HL-211/90 High Gloss Finish

Lightfast, two-component topcoat for flame-resistant high gloss coatings

Range of use:	<ul style="list-style-type: none"> <li>■ Finishing coat</li> <li>■ Solid wood &amp; veneers</li> <li>■ Kitchen and bathroom furniture</li> <li>■ High-quality furniture</li> <li>■ Ship interior finishing</li> <li>■ Shop fitting and trade fair stands</li> <li>■ Topcoat on coloured varnishes (resistance to metal rings, gloss level)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Quick drying</li> <li>■ Can be polished once cured</li> <li>■ Lightfast</li> <li>■ Good flow properties</li> <li>■ Fire resistant</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ Reaction to fire, low flammability: DIN 4102 (B1), EN13501-1 (C-s2. d0)</li> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ Reaction to fire, low flammability: DIN EN 13501-1 (C-s2. d0)</li> <li>■ DIN 68861. 1B Resistance to chemicals</li> </ul>
Mixing:	4:1 with PUR H-280 by volume (4:1 by weight). Projects according to DIN 4102. B1: 5:1 by weight.
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.6 – 1.8 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	Approx. 120 – 150 ml/m <sup>2</sup> per coat (For certified structures, consult the applicable certificate/test report for the application quantities)
Can be overcoated:	After approx. 1 hour (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 20 – 30 minutes

Quantity per pallet	96	60
Packaging unit	2.5 l Tin bucket	5 l Tin bucket
Container code	03	05
Art. No.		
1961 high-gloss	■	■



System products	Art. No.
PUR H-280	(1975)
V-890	(1955)
V-897	(1935)
V-893	(1981)
PUR FG-201	(1950)



# PUR HL-225/90 High Gloss Varnish

Two-component topcoat with excellent volume stability that can be polished after a short time

Range of use:	<ul style="list-style-type: none"> <li>■ High-quality furniture</li> <li>■ Finishing coat</li> <li>■ Solid wood &amp; veneers</li> <li>■ Conditionally lightfast. For particularly high demands (e.g. on light-coloured substrates) the use of PUR HL-211/90 is recommended</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ High mechanical resistance</li> <li>■ Good sanding and polishing properties</li> <li>■ Quick drying</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ Suitability test for IMO Resolution passed, certification requested</li> <li>■ DIN 68861 part 1B "Behaviour at chemical influence"</li> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ DIN 53160-1 "Resistance against artificial saliva"</li> <li>■ DIN 53160-2 "Resistance against artificial sweat"</li> <li>■ DIN 68861-2 C "Furniture surfaces/Abrasion"</li> <li>■ DIN 68861-4 B "Furniture surfaces/Scratches"</li> </ul>
Mixing:	2:1 with PUR H-286 by volume (4:1 by weight).
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.8 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>■ Isocyanates react with moisture in the air: always seal the hardener container so that it is air-tight</li> </ul>
Application rate:	Approx. 120 – 150 ml/m² per coat
Can be overcoated:	After approx. 16 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after approx. 30 minutes

Quantity per pallet	60
Packaging unit	5 l Tin bucket
Container code	05
Art. No.	
5131 clear high-gloss	■



System products	Art. No.
V-890	(1955)
V-893	(1981)
PUR H-286	(5139)
PUR FG-205	(5129)
PUR CL-240	(1965)
Poly FG-301	(5140)





# Solvent-based pigment fillers and opaque colour lacquers

Our solvent-based PUR pigment fillers and colour opaque finishes are easy to use – only the hardener component PUR H-280 is required for the various lacquers. Our all-round system consisting of PUR PF-230 Pigment Filler and PUR CL-240 Colour Opaque is the proven classic for highly resistant coloured surfaces in the professional trade. The one-pot system PUR HSC-245 High-Solid Color sets new standards with regard to efficiency and resistance to metal rings. A large variety of colours is available for all Remmers PUR colour opaque finishes either shipped directly ex works or through one of our fully automated tinting stations on the market.



#### Customer benefits in detail:

- Two-component fillers & colour lacquers with high opacity
- Rational, functional & highly resistant
- Almost all lacquers are compatible with the same hardener
- High resistance to metal rings without a clear topcoat



#### Pigment fillers

- **PUR PF-230 Pigment Filler (page 52)**  
Two-component spray/sealing filler for opaque surfaces
- **PUR PF-232 Pigment Filler (page 53)**  
Highly pigmented, two-component spray filler with exceptional sanding properties

#### Opaque Colour Varnishes

- **PUR CL-240 Colour Varnish (page 54)**  
Flame-resistant, lightfast, two-component colour varnish with excellent opacity
- **PUR CL-244 Colour Opaque (page 55)**  
Highly pigmented two-component topcoat with very good chemical and mechanical resistance
- **PUR HSC-245/30 High Solid Colour (page 56)**  
Decopaint-compliant, two-component PUR lacquer for priming, intermediate and finishing coat
- **PUR AFP-247/05 Anti-Fingerprint Colour (page 57)**  
Highly pigmented, two-component topcoat with integrated anti-fingerprint effect
- **PUR HCL-248/90 High Gloss Colour Opaque (page 58)**  
Two-component topcoat with excellent volume stability and early polishability
- **NC REL-116 Tear Effect Varnish (page 59)**  
Single-component nitrocellulose varnish for the creation of coloured, tear-effect coatings

# PUR PF-230 Pigment Filler

Two-component spray/sealing filler for opaque surfaces

Range of use:	<ul style="list-style-type: none"> <li>■ Preparing opaque, pigmented varnishes</li> <li>■ High-quality furniture</li> <li>■ Solid wood and wood-based materials</li> <li>■ Pigment filler on sealed surfaces</li> <li>■ As sealing filler (5:1 with PUR H-280)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Good sanding properties</li> <li>■ High stability</li> <li>■ Excellent filling and hiding powers</li> <li>■ Good sealing effect</li> <li>■ Lightfast with PUR H-280</li> <li>■ Good resilience to climate change</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ Reaction to fire, low flammability: DIN EN 13501-1 (C-s1, d0)</li> <li>■ EC type examination certificate (module B), IMO Resolution</li> <li>■ AMK-MB 005 test module 3 (cold check)</li> <li>■ AMK-MB 005 test module 2 (ASIA test)</li> </ul>
Mixing:	<p>As flame-retardant pigment filler: 10:1 with PUR H-280 by volume (10:1 by weight)</p> <p>As sealing filler: 5:1 with PUR H-280 by volume (5:1 by weight)</p>
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	Approx. 120 – 150 ml/m <sup>2</sup> per coat
Can be overcoated:	<ul style="list-style-type: none"> <li>■ Mixing ratio 10:1 with PUR H-280 After approx. 2 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 10 minutes</li> <li>■ Mixing ratio 10:1 with PUR H-285 After approx. 1 hour (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 10 minutes</li> <li>■ Mixing ratio 5:1 with PUR H-280 After approx. 6 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 45 minutes</li> </ul>

Quantity per pallet	60	22
Packaging unit	5 l Tin bucket	20 l Tin bucket
Container code	05	20
Art. No.		
1958 white	■	■
1959 black		■



System products	Art. No.
UMA-824	(3249)
V-893	(1981)
PUR H-280	(1975)
PUR H-285	(2582)
V-897	(1935)
V-890	(1955)
Remmers PUR Opaque Colour Varnishes	





# PUR PF-232 Pigment Filler

Highly pigmented, two-component spray filler with exceptional sanding properties

Range of use:	<ul style="list-style-type: none"> <li>■ Preparing opaque, pigmented varnishes</li> <li>■ High-quality furniture</li> <li>■ Solid wood and wood-based materials</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ UV-resistant</li> <li>■ High filling power</li> <li>■ Good flow properties</li> <li>■ Quick-drying and easy to sand</li> </ul>
Mixing:	10:1 with PUR H-280 by volume (10:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,28 – 0,33 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,28 – 0,33 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>■ Isocyanates react with moisture in the air: always seal the hardener container so that it is air-tight</li> </ul>
Application rate:	Approx. 125 – 255 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 2 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after approx. 30 minutes

<b>Quantity per pallet</b>	<b>60</b>	<b>22</b>
<b>Packaging unit</b>	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	05	20
<b>Art. No.</b>		
5132 white	■	■



System products	Art. No.
PUR H-280	(1975)
V-890	(1955)
PUR AFP-247/05	(5137)
PUR CL-240	(1965)
PUR CL-244	(5133)
PUR HCL-248/90	(5138)

# PUR CL-240 Colour Varnish

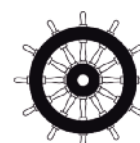
Flame-resistant, lightfast, two-component colour varnish with excellent opacity

Range of use:	<ul style="list-style-type: none"> <li>Wood and wood-based materials</li> <li>High-quality furniture</li> <li>Kitchen and bathroom furniture</li> <li>Ship interior finishing</li> <li>Shop fitting and trade fair stands</li> <li>As a glass varnish (in conjunction with PUR GLA-820)</li> <li>As a metal coating (in conjunction with UMA-824)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Very good hiding power and excellent flow properties</li> <li>Can also be used on vertical surfaces</li> <li>Good resistance to metal ring</li> <li>Excellent resistance to chemicals</li> <li>Resistant to hot water and steam</li> <li>Fire resistant</li> <li>Lightfast</li> <li>Pleasant feel</li> <li>Free of aromatic compounds</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>DIN EN 71-3 "Safety for toys"</li> <li>Reaction to fire, low flammability: DIN 4102 (B1)</li> <li>Reaction to fire, low flammability: DIN EN 13501-1 (C-s1, d0)</li> <li>EC type examination certificate (module B), IMO Resolution</li> <li>DIN 68861. 1B Resistance to chemicals</li> </ul>
Mixing:	10:1 with PUR H-280 by volume (10:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>Flow cup gun: nozzle size: 1.8 – 2.0 mm, atomiser air pressure: 2.0 – 3.0 bar</li> </ul>
Application rate:	Approx. 100 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 2 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 40 minutes

Quantity per pallet	288	96	48	22
Packaging unit	1 l Tin bucket	2.5 l Tin bucket	5 l Tin bucket	20 l Tin bucket
Container code	01	03	05	20
<b>PUR CL-240/20 matt</b>				
1801 opaque special colours – PC I	■	■	■	■
1802 opaque special colours – PC II	■	■	■	■
1803 opaque special colours – PC III	■	■	■	■
<b>PUR CL-240/30 semi-matt</b>				
1965 pure white (RAL 9010)			■	■
1967 white (RAL 9016)			■	■
1996 opaque special colours – PC I	■	■	■	■
1997 opaque special colours – PC II	■	■	■	■
1998 opaque special colours – PC III	■	■	■	■
15158 base A*	■	■	■	■
15159 base C**	■	■	■	■



System products	Art. No.
PUR H-280	(1975)
V-890	(1955)
PUR PF-230	(1958)
PUR SL-210	(1962)
PUR GLA-820	(1946)
V-893	(1981)
V-897	(1935)
SM-820	(1942)
MM-823	(3867)
UMA-824	(3249)
Aqua PF-430	(3265)
Finishes	
Filler	
top coats	



0736/2018  
USCG-Nr.:  
164.112/EC0736/116521-00



# PUR CL-244 Colour Varnish

Highly pigmented two-component topcoat with very good chemical and mechanical resistance

Range of use:	<ul style="list-style-type: none"> <li>High-quality furniture</li> <li>Solid wood and wood-based materials</li> <li>Ideal on surfaces that have been pre-treated with Remmers PUR fillers</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>High mechanical resistance</li> <li>Large variety of colours available</li> <li>High resistance to metal rings</li> <li>UV-resistant</li> <li>High build</li> <li>High hiding power</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>Reaction to fire, low flammability: DIN 4102 (B1)</li> <li>Reaction to fire, low flammability: DIN EN 13501-1 (C-s1. d0)</li> <li>DIN 68861-1B "Behaviour at chemical influence"</li> <li>DIN 68861-2 C "Furniture surfaces/Abrasion"</li> <li>DIN 68861-4 B "Furniture surfaces/Scratches"</li> <li>DIN EN 71-3 "Safety for toys"</li> <li>DIN 53160-1 "Resistance against artificial saliva"</li> <li>DIN 53160-2 "Resistance against artificial sweat"</li> <li>DIN 53231 Hanau-SUN-Test (in-house standard)</li> <li>DIN EN ISO 10993-5 tests for cytotoxicity</li> </ul>
Mixing:	10:1 with PUR H-280 by volume (10:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>Flow cup gun: nozzle size: 1.8 – 2.0 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>Isocyanates react with moisture in the air: always seal the hardener container so that it is air-tight</li> </ul>
Application rate:	Approx. 100 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 3 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 30 minutes



System products	Art. No.
PUR H-280	(1975)
V-890	(1955)
V-897	(1935)
PUR PF-232	(5132)
PUR FG-205	(5129)
PUR MSF-233	(5128)
SM-820	(1942)

Quantity per pallet	288	48	22
Packaging unit	1 l Tin bucket	5 l Tin bucket	20 l Tin bucket
Container code	01	05	20
<b>PUR CL-244/30 semi-matt</b>			
5134 special colour	■	■	■
15115 base A*	■	■	■
15117 base C**	■	■	■
<b>PUR CL-244/10 dull matt</b>			
5133 special colour	■	■	■
15112 base A*	■	■	■
15114 base C**	■	■	■



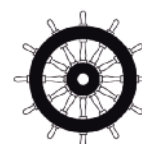
# PUR HSC-245/30 High Solid Colour

Decopaint-compliant two-component PUR lacquer for priming, intermediate and finishing coat

Range of use:	<ul style="list-style-type: none"> <li>■ Solid wood and wood-based materials</li> <li>■ High-quality furniture</li> <li>■ Kitchen and bathroom furniture</li> <li>■ Exclusive interior design and shop fitting</li> <li>■ Takes on the function of insulation, filler, coloured lacquer and clear coating</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Very good hiding power</li> <li>■ Excellent stability in edge areas</li> <li>■ Quick drying</li> <li>■ Excellent resistance to chemicals</li> <li>■ Outstanding mechanical resistance</li> <li>■ Outstanding resistance to metal rings</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ Reaction to fire, low flammability: DIN EN 13501-1 (C-s1. d0)</li> <li>■ EC type examination certificate (module B), IMO Resolution</li> <li>■ DIN 68861. 1B Resistance to chemicals</li> </ul>
Mixing:	2:1 with PUR H-285 by volume (2:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.8 – 2.0 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>■ Check colour, adhesion and compatibility with the substrate, by setting up a trial area</li> <li>■ For optimum surface results, proceed as follows: pre-mist edge, varnish surface crosswise, varnish edge</li> </ul>
Application rate:	100 – 150 ml/m² per coat
Can be overcoated:	After approx. 3 hours (practice values at 20 °C and 65 % relative humidity) Dust-dry: after approx. 20 – 30 minutes



System products	Art. No.
PUR H-285	(2582)
V-897	(1935)
V-893	(1981)
PUR PF-230	(1958)
Aqua PF-430	(3265)



0736/2018  
USCG-Nr.:  
164.112/EC0736/116621-00



Quantity per pallet	48	22
Packaging unit	5 l Tin bucket	20 l Tin bucket
Container code	05	20
Art. No.		
2583 white (RAL 9016)	■	■
2584 pure white (RAL 9010)	■	■
2585 special colours	■	■
15156 base A*	■	■
15157 base C**	■	■

# PUR AFP-247/05 Anti-Fingerprint Colour

Highly pigmented, two-component topcoat with integrated anti-fingerprint effect

Range of use:	<ul style="list-style-type: none"> <li>■ High-quality furniture</li> <li>■ Solid wood and wood-based materials</li> <li>■ Ideal on surfaces that have been pre-treated with Remmers PUR fillers</li> <li>■ Very high mechanical stresses</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ High mechanical resistance</li> <li>■ High resistance to metal rings</li> <li>■ UV-resistant</li> <li>■ Anti fingerprint effect</li> <li>■ High build</li> <li>■ High hiding power</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ Free of raw materials containing formaldehyde as well as of PCP, PCB, PCT, lindane and TCDD</li> <li>■ DIN EN 71-3 "Safety for toys"</li> <li>■ DIN 53231 Hanau-SUN test (in-house standard)</li> <li>■ DIN 53160-1 "Resistance against artificial saliva"</li> <li>■ DIN 53160-2 "Resistance against artificial sweat"</li> <li>■ DIN 68861-1B "Behaviour at chemical influence"</li> <li>■ DIN 68861-2 C "Furniture surfaces/Abrasion"</li> <li>■ DIN 68861-4B "Furniture surfaces/Scratches"</li> </ul>
Mixing:	5:1 with PUR H-280 by volume (5:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.8 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>■ Isocyanates react with moisture in the air: always seal the hardener container so that it is air-tight</li> <li>■ Anti-fingerprint surface effect: approx. 3 days</li> </ul>
Application rate:	150 – 175 ml/m <sup>2</sup> per coat
Stapling:	After approx. 16 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after approx. 20 – 30 minutes Anti-fingerprint surface effect: approx. 3 days



System products	Art. No.
PUR H-280	(2582)
V-890	(1955)
V-897	(1935)
PUR PF-232	(5132)
PUR FG-205	(5129)
PUR MSF-233	(5128)



Quantity per pallet	288	48	22
<b>Packaging unit</b>	<b>1 l</b> Tin bucket	<b>5 l</b> Tin bucket	<b>20 l</b> Tin bucket
<b>Container code</b>	01	05	120
<b>Art. No.</b>			
5137 special colours cloth matt	■	■	■
15118 base A*	■	■	■
15120 base C**	■	■	■

# PUR HCL-248/90 High Gloss Colour Opaque

Two-component topcoat with excellent volume stability and early polishability

Range of use:	<ul style="list-style-type: none"> <li>High-quality furniture</li> <li>Wood materials</li> <li>Ideal on surfaces that have been pre-treated with Remmers PUR fillers</li> <li>Finishing coat</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>High mechanical resistance</li> <li>High resistance to metal rings</li> <li>Good sanding and polishing properties</li> <li>High build</li> <li>High hiding power</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>Suitability test for IMO Resolution passed, certification requested</li> <li>DIN 68861-1B "Behaviour at chemical influence"</li> <li>DIN 68861-2C "Furniture surfaces/Abrasion"</li> <li>DIN 68861-4B "Furniture surfaces/Scratches"</li> <li>DIN EN 71-3. 2000 „Safety for toys“</li> <li>DIN 53160-1 "Resistance against artificial saliva"</li> <li>DIN 53160-2 "Resistance against artificial sweat"</li> <li>DIN 53231 Hanau-SUN test (in-house standard)</li> </ul>
Mixing:	2:1 with PUR H-286 by volume (2:1 by weight)
Application / Directions:	<ul style="list-style-type: none"> <li>Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>Flow cup gun: nozzle size: 1.6 – 1.8 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>Isocyanates react with moisture in the air: always seal the hardener container so that it is air-tight</li> </ul>
Application rate:	Approx. 120 – 150 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 16 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after approx. 30 minutes

Quantity per pallet	288	48	22
Packaging unit	1 l Tin bucket	5 l Tin bucket	20 l Tin bucket
Container code	01	05	20
Art. No.			
5138 special colours high-gloss	■	■	■
15121 base A*	■	■	■
15123 base C**	■	■	■



System products	Art. No.
V-897	(1935)
V-893	(1981)
PUR H-286	(5139)
PUR MSF-233	(5128)
PUR PF-230	(1958)
Poly FG-301	(5140)





# NC REL-116 Tear Effect Varnish

Single-component nitrocellulose varnish for the creation of coloured, tear-effect coatings

Range of use:	<ul style="list-style-type: none"> <li>■ Solid wood and wood-based materials</li> <li>■ Furniture</li> <li>■ Creation of colour surfaces with a tear effect</li> <li>■ Exclusive interior design and shop fitting</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Ready-to-use</li> <li>■ Quick drying</li> <li>■ Opaque pigmentation</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>■ Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>■ Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>■ Flow cup gun: nozzle size: 1.6 – 1.8 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>■ Check colour, adhesion and compatibility with the substrate by setting up a trial area</li> </ul>
Application rate:	Approx. 80 – 120 ml/m <sup>2</sup> per coat
Can be overcoated:	After approx. 2 hours (practice values at 20 °C and 65% relative humidity) Dust-dry: after 5 – 10 minutes



Quantity per pallet	96
Packaging unit	5 l Tin bucket
Container code	05
Art. No.	
2025 special colours	■

System products	Art. No.
PUR SL-212	(1970)
V-893	(1955)
PUR BML-215/10	(1941)
PUR ASL-226/05	(5130)



# Hardeners, thinners and additives for solvent-based varnishes

Most Remmers PUR coatings can be used with the same hardening component – PUR H-280 Hardener – thus, minimising the risk of application errors and excessive stock. For some special products, alternative hardening component are necessary. Various cross-linking agents and additives allow to significantly improve the adhesion properties of Remmers PUR coatings on non-wood substrates. This, for example, allows users to produce full-fledged, perfectly adhering glass varnishes by simply adding PUR GLA-820 Glass Lacquer Additive to selected Remmers PUR coatings.

#### Customer benefits in detail:

- PUR H-280: one hardener for almost all Remmers 2K-PUR varnishes
- Production of coatings for metals and glass
- Production of textured coatings



#### Hardeners

- **PUR H-280 Hardener (page 62)**  
Isocyanate for hardening PUR coatings
- **PUR H-285 Hardener (page 62)**  
Isocyanate for hardening PUR coatings
- **PUR H-286 Hardener (page 63)**  
Isocyanate for hardening solvent-based PUR coatings

#### Thinners / Cleaners for tools

- **V-890 Thinner (page 64)**  
Rapid thinning and fast cleaning of tools
- **V-897 Thinner (page 64)**  
Moderately fast-acting thinner for adjusting paint: flow optimisation and fast drying
- **PV-893 Retarder (page 65)**  
Slow dilution for improving flow properties
- **WV-891 Brush Wash (page 65)**  
Solvent for cleaning tools

#### Admixtures and Additives

- **MM-823-Matting Agent (page 66)**  
Matting agent for two-component PUR and NC coatings
- **UMA-824 Universal Metal Adhesion Promoter (page 62)**  
Additive for an improved adhesion of selected lacquers on selected metals
- **PUR GLA-820 Glass Lacquer Additive (page 67)**  
Additive for improving the adhesion of PUR lacquers on glass
- **SM-820 Texturing Agent (page 67)**  
Additive for the production of textured lacquers

# PUR H-280 Hardener

Isocyanate for hardening PUR coatings

Range of use:	<ul style="list-style-type: none"> <li>For hardening two-component PUR coatings in the specified mixing ratio</li> <li>Bleached wood</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Lightfast</li> <li>Free of aromatic compounds</li> </ul>
Mixing:	Add to varnish in the specified mixing ratio
Application / Directions:	Check colour, adhesion and compatibility with the substrate, by setting up a trial area

Quantity per pallet	880	444	210	50
Packaging unit	0,5 l Tin canister	1 l Tin canister	2 l Tin canister	10 l Tin canister
Container code	84	01	02	10
Art. No.				
1975	■	■	■	■



System products      Art. No.

Remmers 2K-PUR varnishes  
(see page 70)

# PUR H-285 Hardener

Isocyanate for hardening PUR coatings

Range of use:	<ul style="list-style-type: none"> <li>For hardening two-component PUR coatings in the specified mixing ratio</li> <li>Not for bleached wood</li> </ul>
Mixing:	Add to varnish in the specified mixing ratio
Application / Directions:	Check colour, adhesion and compatibility with the substrate, by setting up a trial area

Quantity per pallet	210
Packaging unit	2.5 Tin canister
Container code	03
Art. No.	
2582	■



System products      Art. No.

PUR HSC-245/30      (2583)

PUR PF-230      (1958)

# PUR H-286 Hardener

Isocyanate for solvent-based PUR coatings

Range of use:	<ul style="list-style-type: none"><li>■ PUR FG-205 Filling Primer</li><li>■ PUR HL-225/90 High Gloss Varnish</li><li>■ PUR HCL-248/90 High Gloss Colour Opaque</li></ul>
Mixing:	Using a mixer, mix intensively for approx. 2 minutes until homogeneous
Application / Directions:	Isocyanates react with moisture in the air: always seal the hardener container so that it is air-tight

Quantity per pallet	210	126
Packaging unit	2.5 l Tin canister	5 l Tin canister
Container code	03	05
Art. No.		
5139	■	■



System products	Art. No.
PUR FG-205	(5129)
PUR HL-225/90	(5131)
PUR HCL-248/90	(5138)

# V-890 Thinner

Rapid thinning and fast cleaning of tools

Range of use:	<ul style="list-style-type: none"> <li>■ Thinner for two-component PUR products</li> <li>■ Cleaning tools</li> <li>■ Adjusting NC stains (spraying without wiping)</li> </ul>		
Property profile:	<ul style="list-style-type: none"> <li>■ Free of aromatic compounds</li> <li>■ Good cleaning action</li> </ul>		
Quantity per pallet	210	50	24
Packaging unit	2 l Tin canister	10 l Tin canister	30 l Tin canister
Container code	02	10	30
Art. No.			
1955	■	■	■



System products	Art. No.
NC HB-005	(3826)
Remmers 2K-PUR varnishes (see page 70)	

# V-897 Thinner

Moderately fast-acting thinner for adjusting paint: flow optimisation and fast drying

Range of use:	<ul style="list-style-type: none"> <li>■ Thinning of PUR coatings</li> </ul>	
Property profile:	<ul style="list-style-type: none"> <li>■ Optimises flow properties</li> <li>■ Accelerates full hardening</li> <li>■ Reduces the specified working times</li> </ul>	
Application / Directions:	Check colour, adhesion and compatibility with the substrate, by setting up a trial area	
Quantity per pallet	50	24
Packaging unit	10 l Tin canister	30 l Tin canister
Container code	10	30
Art. No.		
1935	■	■



System products
Remmers 2K-PUR varnishes (see page 70)



# V-893 Retarder

Slow dilution for improving flow properties

Range of use:	<ul style="list-style-type: none"> <li>■ Thinning of PUR coatings</li> <li>■ Streak-free coating of large surfaces (even at high temperatures)</li> <li>■ Application of PUR coatings by brush/roller</li> <li>■ Regulation of NC stains for specific applications (wiping after spraying)</li> </ul>
Property profile:	Slow evaporation

Quantity per pallet	126
Packaging unit	5 l Tin bucket
Container code	05
Art. No.	
1981	■



## System products

Remmers 2K-PUR varnishes  
(see page 70)

# WV-891 Brush Wash

Solvent for cleaning tools

Range of use:	Cleaning tools
Property profile:	Good cleaning action
Certifications/Test standards:	Data sheet on ingredients

Quantity per pallet	24
Packaging unit	30 l Tin canister
Container code	30
Art. No.	
1948	■



# MM-823 Matting Agent

Matting agent for two-component PUR and NC coatings

Range of use:	<ul style="list-style-type: none"><li>■ Matting agent for two-component PUR and</li><li>■ Not suitable for matt coatings systems</li></ul>
Property profile:	An addition of approx. 4% reduces the degree of gloss by approx. 10 gloss units
Mixing:	Mix in with Patent Disperser stirring continuously

Quantity per pallet	360
Packaging unit	1 l Tin canister
Container code	01
Art. No.	
3867	■



## System products

Remmers 2K-PUR varnishes  
(see page 71)

# UMA-824 Universal Metal Adhesion Promoter

Additive for an improved adhesion of selected lacquers on selected metals

Range of use:	<ul style="list-style-type: none"><li>■ In solvent-based &amp; water-based coatings</li><li>■ Aluminium, stainless steel, galvanised steel, black steel</li><li>■ Other substrates must be tested beforehand!</li></ul>
Property profile:	<ul style="list-style-type: none"><li>■ Significant improvement of the adhesion of various varnishes on selected metals</li><li>■ Reduces working time of two-component varnishes by 50 %</li></ul>

Quantity per pallet	880
Packaging unit	0,5 l Tin canister
Container code	84
Art. No.	
3249	■



## System products

Remmers 2K-PUR varnishes  
(see page 71)

# PUR GLA-820 Glass Lacquer Additive

Additive for improving the adhesion of PUR lacquers on glass

Range of use:	<ul style="list-style-type: none"> <li>Coloured designs on the rear face of glass surfaces</li> <li>Furniture building and shop fitting</li> <li>Can be used with a wide range of Remmers PUR lacquers</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Significant improvement in adhesion of lacquer on glass</li> <li>Cost-effective alternative also suitable for small production runs</li> <li>Easy to use</li> </ul>
Application / Directions:	Check colour, adhesion and compatibility with the substrate, by setting up a trial area

Quantity per pallet	200
Packaging unit	0,5 l Tin canister
Container code	01
Art. No.	
1946	■



## System products

Remmers 2K-PUR varnishes  
(see page 71)

# SM-820 Texturing Agent

Additive for the production of textured lacquers

Range of use:	<ul style="list-style-type: none"> <li>PUR and Aqua coatings</li> <li>For the production of textured coatings</li> <li>For use in glass coatings</li> <li>Improves anti-slip properties on floors</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Creates a coarse feel</li> <li>Improves resistance</li> <li>Ensures a matt look</li> </ul>
Mixing:	Approx. 100 ml (40 g) per litre (1000 g) of ready-to-use varnish

Quantity per pallet	288
Packaging unit	0,5 kg Tin bucket
Container code	01
Art. No.	
1942	SM-820/S Texturing Agent fine ■
1943	SM-820/M Texturing Agent medium ■
1944	SM-820/L Texturing Agent coarse ■
1949	SM-820/XL Texturing Agent extra coarse ■



## System products

Remmers 2K-PUR varnishes  
(see page 71)





# General Directions

## Solvent-based coating systems

**Two-component PUR coatings can be the right choice for many applications, if the following points are noted:**

- Mixing ratio, pot life and working times of PUR varnish mixtures must absolutely be adhered to. The expiration of the working time of the liquid coating mixture is not necessarily recognisable by gel formation or an increase in viscosity. Unfavourable air humidity and temperature parameters have a negative influence on the working time of the mixture and the curing of the coating layer.
- The mixing ratio of the Remmers PUR coatings is expressed in parts per volume, therefore the use of the two-component mixing buckets (Art. No. 4270 – 4273) is recommended.
- The thorough mixing of the two components and the thinner, if one is used, before application is important to ensure good resistance and uniform appearance of the finished surfaces. This can be achieved by using the Remmers Patent Disperser (Art. No. 474701 / 474702).
- Always keep containers well closed. PUR hardeners react with air humidity.
- Remmers PUR coatings should only be mixed with the recommended thinners. If unclean thinners are used, the PUR hardener cannot ensure a sufficient degree of crosslinking of the varnish film.
- Water and UN-894, e.g. as a cleaner in spray guns, must never get in contact with PUR coatings. Use WV-891 Brush Wash to clean spraying equipment.
- Bleached wood should be allowed to dry for at least 48 hours before coating. On these surfaces, only Remmers PUR coating systems that are used in combination with PUR H-280 Hardener should be applied.
- Once cured, PUR coatings are non-reversible. They cannot be dissolved by shortly exposing it to their own solvent. The time frame in which a varnish can be painted without sanding depends on the drying time indicated on the technical data sheet. After the drying time has passed, the surface must always be sanded and the dust removed before a subsequent coating can be applied on PUR coatings.
- To ensure optimal cross linking and low levels of residual emissions, the temperature during the following 48 hours of drying and curing should never be below 18 °C. This is especially important for PUR systems with a mixing ratio of 5:1, 4:1, etc. that cross link at higher temperatures.
- Using coating systems with a lower solvent content, such as Remmers Aqua varnishes, should always be taken into consideration, especially for components that are subject to the Decopaint Directive.



# Combination Options

## PUR coatings with hardeners, thinners and additives

Varnishes	Hardeners			Thinners / Retarders		
	PUR H-280 Hardener	PUR H-285 Hardener	PUR H-286 Hardener	V-890 Thinner	V-897 Thinner	V-893 Retarder
PUR-FG-201 Filling Primer		■			■	■
PUR FG-205 Filling Primer				■		■
PUR SL-210 Finish	■			■	■	■
PUR SL-214 Finish	■			■	■	■
PUR SL-212 Finish	■			■	■	■
PUR ASL-226/05 Anti-Scratch Varnish	■			■		■
PUR HL-211/90 High Gloss Finish	■			■	■	■
PUR HL-225/90 High Gloss Finish			■			■
PUR RHE-217/10 Raw Wood Effect Lacquer	■			■		
PUR BML-215/10 Brilliant Matt Lacquer	■			■	■	■
PUR PF-230 Pigment Filler	■	■		■	■	■
PUR PF-232 Pigment Filler	■			■		
PUR CL-240 Colour Opaque		■			■	■
PUR CL-244 Colour Opaque		■			■	■
PUR AFP-247/05 Anti-Fingerprint Colour	■			■	■	■
PUR HCL-248/90 High Gloss Colour Opaque				■		■
PUR HSC-245/30 High Solid Colour		■			■	■



Additive / Effects				
Varnishes	PUR GLA-820 Glass Lacquer Additive	SM-820 Texturing Agent	MM-823 Matting Agent	UMA-824 Universal Metal Adhesion Promoter Additive
PUR-FG-201 Filling Primer				
PUR FG-205 Filling Primer				
PUR SL-210 Finish	■	■	■	
PUR SL-214 Finish	■	■	■	
PUR SL-212 Finish	■	■	■	■
PUR ASL-226/05 Anti-Scratch Varnish				
PUR HL-211/90 High Gloss Finish				
PUR HL-225/90 High Gloss Finish				
PUR RHE-217/10 Raw Wood Effect Lacquer				
PUR BML-215/10 Brilliant Matt Lacquer		■		
PUR PF-230 Pigment Filler				■
PUR PF-232 Pigment Filler				
PUR CL-240 Colour Opaque		■	■	■ ■
PUR CL-244 Colour Opaque			■	
PUR AFP-247/05 Anti-Fingerprint Colour				
PUR HCL-248/90 High Gloss Colour Opaque				
PUR HSC-245/30 High Solid Colour				

# Transparent coating systems

## Solvent-based build-ups

Range of use	Oak and ash	Beech and alder	Maple and birch
Living room & bedroom furniture	T1 / T4	T1 / T3	T1 / T3 / T5
Kitchen and bathroom furniture	T1 / T3	T1 / T3	T1 / T3
Tables and worktops, counters	T2 / T4	T2 / T4	T2
Ceiling and wall linings	–	–	–
Trade fair stands and shop fitting	T1 / T3	T1 / T3	T1 / T3 / T4
Interior furnishing	T1 / T3	T1 / T3	T1 / T3 / T4
Ship interior finishing	T1 / T3	T5	T5
Interior doors	–	–	–
Stairs	T5	T5	T5
Wooden floors	–	–	–

Range of use	Walnut, mahogany, cherry	Spruce / fir (knot-free)	Glass
Living room & bedroom furniture	T1 / T3 / T6	T1 / T3	T7
Kitchen and bathroom furniture	T1 / T3 / T6	T1 / T3	T7
Tables and worktops, counters	T2 / T4	–	T7
Ceiling and wall linings	–	–	–
Trade fair stands and shop fitting	T1 / T3 / T6	T1 / T3	T7
Interior furnishing	T1 / T3 / T6	T1 / T3	T7
Ship interior finishing	T1 / T3 / T6	T1 / T3	–
Interior doors	–	–	–
Stairs	–	–	–
Wooden floors	–	–	–



## System Solutions

System	Properties	Operation	Product
<b>T1</b>	<ul style="list-style-type: none"> <li>Coating</li> <li>High durability</li> <li>Suitable for universal use</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Colouring / stains for hardwoods / for softwoods (if needed)</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Finishing coat</li> </ul>	<p>P100 – P180 Aqua BB-007 or Aqua KB-004 / Aqua PB-006</p> <p>PUR SL-210 + PUR H-280 P240 – P320 PUR SL-210 + PUR H-280</p>
<b>T2</b>	<ul style="list-style-type: none"> <li>Coating</li> <li>Good built</li> <li>Very high durability</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Colouring / stains for hardwoods / for softwoods (if needed)</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Finishing coat</li> <li>(If needed: intermediate sanding / repeat finishing coat)</li> </ul>	<p>P100 – P180 Aqua BB-007 or Aqua KB-004 / Aqua PB-006</p> <p>PUR SL-212 + PUR H-280 P240 – P320 PUR SL-212 + PUR H-280 P100 – P180</p>
<b>T3</b>	<ul style="list-style-type: none"> <li>Natural look - coating</li> <li>Cloth matt</li> <li>Very high scratch resistance</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Finishing coat</li> </ul>	<p>P100 – P180 PUR RHE-217/10 + PUR H-280 P240 – P320 PUR ASL-226/05 + PUR H-280</p>
<b>T4</b>	<ul style="list-style-type: none"> <li>Natural effect varnish</li> <li>Blunt matt</li> <li>High chemical resistance</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Colouring / stains for hardwoods (if needed)</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Finishing coat</li> </ul>	<p>P100 – P180 Aqua BB-007 or Aqua KB-004</p> <p>PUR RHE-217/10 + PUR H-280 P240 – P320 PUR BML-215/10 + PUR H-280</p>
<b>T5</b>	<ul style="list-style-type: none"> <li>High-gloss coatings</li> <li>Lightfast</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Colouring / stains for hardwoods</li> <li>Priming</li> <li>Drying / Sanding (after drying)</li> <li>Intermediate coating</li> <li>Drying / Sanding (after drying)</li> <li>Finishing coat*</li> <li>(If needed: intermediate sanding / repeat finishing coat)</li> </ul>	<p>P180 – P320 Aqua BB-007 or Aqua KB-004 PUR FG-201 + PUR H-280 P400 – P800 PUR FG-201 + PUR H-280 P400 – P800 PUR HL-211/90 + PUR H-280</p>
<b>T6***</b>	<ul style="list-style-type: none"> <li>High-gloss coatings</li> <li>Very high volume</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Sanding*</li> <li>Colouring / stains for hardwoods</li> <li>Priming</li> <li>Drying / Sanding*</li> <li>Intermediate coating</li> <li>Drying / Sanding*</li> <li>Finishing coat**</li> <li>(If needed: intermediate sanding / repeat finishing coat)</li> </ul>	<p>P180 – P320 Aqua BB-007 or Aqua KB-004 PUR FG-205 + PUR H-286 P400 – P800 PUR FG-205 + PUR H-286 P400 – P800 PUR HL-225/90 + PUR H-286</p>
<b>T7</b>	<ul style="list-style-type: none"> <li>Coating on glass</li> <li>Very good wet adhesion</li> </ul>	<ul style="list-style-type: none"> <li>Preparation / Cleaning</li> <li>Coating</li> <li>Optionals addition (for special effects)</li> </ul>	<p>UN-894 or V-890 PUR SL-210 + PUR H-280 + PUR GLA-820 SM-820</p>

\* Remove dust afterwards

\*\* Can be polished after 2–3 days

\*\*\* Suitability test for IMO Resolution passed, certification requested

# Opaque coating systems

## Solvent-based build-ups

Range of use	Oak and ash	Beech and alder	maple and birch	maple and birch	MDF boards (with priming film)
Living room & bedroom furniture	D2	D1 / D5	D1 / D5	D1 / D5	D1 / D5 / D6
Kitchen and bathroom furniture	D2	D1 / D5	D1 / D5	D1 / D5	D1 / D5 / D6
Tables and worktops, counters	D4	D5 / D3	D5 / D3	D5 / D3	D1 / D5 / D3
Ceiling and wall linings	–	–	–	–	–
Trade fair stands and shop fitting	D2	D1 / D5	D1 / D5	D1 / D5	D1 / D5 / D6
Interior furnishing	D2	D1 / D5	D1 / D5	D1 / D5	D1 / D5 / D6
Ship interior finishing	D2	D1 / D5	D1 / D5	D1 / D5	D1 / D5 / D6
Interior doors	–	–	–	–	–
Stairs	–	D5	D5	D5	D5
Wooden floors	–	–	–	–	–

Range of use	MDF boards (with priming film)	Glass	Plastics	Metals
Living room & bedroom furniture	D1 / D5 / D6	D7	D1*	D8
Kitchen and bathroom furniture	D1 / D5 / D6	D7	D1*	D8
Tables and worktops, counters	D1 / D5 / D3	D7	D3*	–
Ceiling and wall linings	–	–	–	–
Trade fair stands and shop fitting	D1 / D5 / D6	D7	D1*	D8
Interior furnishing	D1 / D5 / D6	D7	D1*	D8
Ship interior finishing	D1 / D5 / D6	–	–	–
Interior doors	–	–	–	–
Stairs	D5	–	–	–
Wooden floors	–	–	–	–



## System Solutions

System	Properties	Operation	Product
<b>D1</b>	<ul style="list-style-type: none"> <li>■ Colour opaque coating</li> <li>■ High durability</li> <li>■ Suitable for universal use</li> </ul>	<ul style="list-style-type: none"> <li>■ Preparation / Sanding*</li> <li>■ Priming</li> <li>■ Drying / Sanding (after drying)</li> <li>■ Colour coating</li> <li>■ Optional clear topcoat (degree of gloss, higher resistance to rings)</li> </ul>	P180 – P320 PUR PF-230 + PUR H-280 P240 – P320 PUR CL-240 + PUR H-280 PUR SL-210 + PUR H-280
<b>D2</b>	<ul style="list-style-type: none"> <li>■ Colour opaque coating</li> <li>■ Visible pores</li> <li>■ High durability</li> </ul>	<ul style="list-style-type: none"> <li>■ Preparation / Sanding*</li> <li>■ Priming</li> <li>■ Drying / Sanding (after drying)</li> <li>■ Colour coating (repeat if needed)</li> <li>■ Optional clear topcoat (degree of gloss, higher resistance to rings)</li> </ul>	P180 – P320 PUR CL-240 + PUR H-280 + V-890 P240 – P320 PUR CL-240 + PUR H-280 + V-890 PUR SL-210 + PUR H-280
<b>D3</b>	<ul style="list-style-type: none"> <li>■ Colour opaque coating</li> <li>■ Very high mechanical resistance</li> </ul>	<ul style="list-style-type: none"> <li>■ Preparation / Sanding*</li> <li>■ Priming</li> <li>■ Drying / Sanding (after drying)</li> <li>■ Colour coating</li> <li>■ Clear topcoat (degree of gloss, higher resistance to rings)</li> </ul>	P180 – P320 PUR PF-230 + PUR H-280 P240 – P320 PUR CL-240 + PUR H-280 PUR SL-212 + PUR H-280
<b>D4</b>	<ul style="list-style-type: none"> <li>■ Colour opaque coating</li> <li>■ Visible pores</li> <li>■ Very high mechanical resistance</li> </ul>	<ul style="list-style-type: none"> <li>■ Preparation / Sanding*</li> <li>■ Drying / Sanding (after drying)</li> <li>■ Colour coating</li> <li>■ Clear topcoat (degree of gloss, higher resistance to rings)</li> </ul>	P180 – P320 P240 – P320 PUR CL-240 + PUR H-280 + V-890 PUR SL-212 + PUR H-280
<b>D5</b>	<ul style="list-style-type: none"> <li>■ Colour opaque coating</li> <li>■ 4in1</li> <li>■ High durability</li> </ul>	<ul style="list-style-type: none"> <li>■ Preparation / Sanding*</li> <li>■ Priming</li> <li>■ Drying / Sanding (after drying)</li> <li>■ Colour coating (repeat if needed)</li> </ul>	P180 – P320 PUR HSC-245 + PUR H-285 P240 – P320 PUR HSC-245 + PUR H-285
<b>D6***</b>	<ul style="list-style-type: none"> <li>■ High-gloss colour coatings</li> <li>■ Very high durability</li> </ul>	<ul style="list-style-type: none"> <li>■ Preparation / Sanding*</li> <li>■ Priming</li> <li>■ Drying / Sanding (after drying)</li> <li>■ Intermediate coating</li> <li>■ Drying / Sanding (after drying)</li> <li>■ Colour coating</li> <li>■ Drying / Sanding** (after drying) (if needed: intermediate sanding / repeat finishing coat)</li> </ul>	P180 – P320 PUR PF-230 + PUR H-280 P240 – P320 PUR PF-230 + PUR H-280 P400 – P800 PUR HCL-248/90 + PUR H-286 P400 – P800
<b>D7</b>	<ul style="list-style-type: none"> <li>■ Coating on glass</li> <li>■ Very good wet adhesion</li> </ul>	<ul style="list-style-type: none"> <li>■ Preparation / Cleaning</li> <li>■ Finish</li> </ul>	UN-894 or V-890 PUR CL-240 + PUR H-280 + PUR GLA-820
<b>D8</b>	<ul style="list-style-type: none"> <li>■ Metal coating</li> <li>■ High durability</li> <li>■ Suitable for universal use</li> </ul>	<ul style="list-style-type: none"> <li>■ Preparation / Cleaning</li> <li>■ Priming</li> <li>■ Drying / Sanding (after drying)</li> <li>■ Colour coating</li> <li>■ Optional clear topcoat (degree of gloss, higher resistance to rings)</li> </ul>	V-890 / WV-891 PUR PF-230 + PUR H-280 + UMA-824 P240 – P320 PUR CL-240 + PUR H-280 PUR SL-210 + PUR H-280

\* Remove dust afterwards

\*\* Can be polished after 2–3 days

\*\*\* Suitability test for IMO Resolution passed, certification requested



# Oils and waxes

On the basis of natural oils and waxes, Remmers offers clear and pigmented alternatives to conventional varnishes for the complete range of interior finishing, wooden floors and the refinement of wooden stairs. The products stand out through their particularly natural look and feel. They are characterised by rational application properties and – for this product category – surprisingly good durability and resistance.





#### Customer benefits in detail:

- HWS-112: as beautiful as an oil - as safe as a varnish
- HSO-118 [eco]: based on renewable resources, food-safe & vegan
- Many independent certifications



### Oils and waxes

- **HSO-118 High Solid Oil [eco] (page 78)**  
High-solid wood finish made from renewable raw materials
- **HWS-112 Hard Wax Seal (page 79)**  
Durable, single-component wood sealer for a natural look and two-time application
- **Oiled Floor Care [eco] (page 80)**  
Care product for oiled and waxed wooden floors

# HSO-118 High Solid Oil [eco]

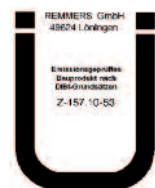
High-solid wood finish made from renewable raw materials

Range of use:	<ul style="list-style-type: none"> <li>Wooden floors and stairs</li> <li>Tables and worktops</li> <li>High-quality solid wooden furniture</li> <li>Panels and moulding</li> <li>Reducing the tendency of natural stone kitchen worktops to accumulate contamination (oil, grease, household dirt, etc.)</li> <li>Sustainable building suitable for building certifications DGNB, LEED, BNB</li> <li>"Natural look" colour only for light-coloured woods, such as oak, ash and spruce</li> <li>Not for bleached wood</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Made from at least 90% renewable raw materials</li> <li>Food-safe: harmless upon contact with food</li> <li>Penetrates deeply into the wood and emphasises the grain</li> <li>Long-lasting, dirt-repelling and hard-wearing</li> <li>Good resistance against selected standard household substances in accordance with DIN 68861, 1B (e. g. water, cola, beer, tea, coffee, wine &amp; cleaning agents)</li> <li>A vegan product based on the information available to us, e.g. from raw material suppliers, and on the manufacturing techniques we use</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>DIN EN 71-3 "Safety for toys"</li> <li>Declaration of Harmlessness for food contact</li> <li>Approval as surface coating system for parquet and wooden flooring</li> <li>Slip-resistant "R9" according to DIN 51130:2014</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>Application by roller, brush, spreader or pad</li> <li>Attention: Observe the information on self-ignition!</li> <li>Inside cupboards and drawers, only apply a single thin layer of the product using a lint-free cotton cloth</li> <li>Remove any excess oil with a lint-free cotton cloth after approx. 20-30 minutes</li> <li>Depending on the conditions of the substrate, apply 1 or 2 coats</li> <li>Before the second coat carry out an intermediate sanding with P 240 – 320</li> </ul>
Application rate:	<ul style="list-style-type: none"> <li>Approx. 50 – 70 ml/m<sup>2</sup> per coat (The application rate depends heavily on the absorbency of the wood and the final sanded finish)</li> </ul>
Can be overcoated:	After drying overnight (practice values at 20 °C and 65% relative humidity)

Quantity per pallet	672	200	30
Packaging unit	6× 0,75 l Tin bucket	2× 2.5 l Tin bucket	10 l Tin bucket
Container code	01	03	10
Art. No.			
7701 intensive white (RC-995)	■	■	
7702 walnut (RC-660)	■	■	
7703 light oak (RC-365)	■	■	
7704 teak (RC-545)	■	■	
7705 ebony (RC-790)	■	■	
7706 silver grey (RC-970)	■	■	
7707 natural look	■	■	
7708 clear	■	■	■
7709 special colours	■	■	■
7720 base*	■	■	



System products	Art. No.
MultiSil	(7380)
Oiled Floor Care [eco]	(7699)
Repair Set	(4955)



# HWS-112 Hard Wax Seal

Durable, single-component wood sealer for a natural look and two-time application

Range of use:	<ul style="list-style-type: none"> <li>Wood in living areas</li> <li>Furniture and interior finishing work</li> <li>Wooden floors and stairs</li> <li>Tables and worktops</li> <li>Ship interior finishing</li> <li>Bath and sauna elements</li> <li>Cork floors</li> <li>Bamboo components</li> <li>No removal of excess</li> <li>Not for bleached wood</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Quick drying</li> <li>Resistant to abrasion and scratches</li> <li>Excellent resistance to chemicals</li> <li>Slip-resistant</li> <li>Very low tendency to shine</li> <li>Natural look and feel</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>DIN EN 71-3 "Safety for toys"</li> <li>Approval as surface coating system for parquet and wood flooring</li> <li>Slip-resistant "R10" according to DIN 51130:2014</li> <li>EC type examination certificate (module B), IMO Resolution</li> <li>Treppenmeister hand cream test (based on DIN EN 12720)</li> <li>Food contact</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>By spraying or with a roller</li> <li>Airless spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 120 bar</li> <li>Airmix spraying: nozzle size: 0,23 – 0,28 mm, material pressure: 80 – 100 bar atomiser air pressure: 1.2 – 2.0 bar</li> <li>Flow cup gun: nozzle size: 1.6 – 1.8 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>Make sure the area is well ventilated when using indoors</li> <li>For smoked oak and other exotic woods, Remmers Technical Service must be consulted prior to use and a trial area set up</li> <li>Attention: Observe the information on self-ignition!</li> </ul>
Application rate:	First coat: 70 ml/m <sup>2</sup> Second coat: 60 ml/m <sup>2</sup>
Can be overcoated:	<ul style="list-style-type: none"> <li>By spraying: after approx. 6 hours (practice values at 20 °C and 65% relative humidity)</li> <li>By roller: after approx. 14 hours (practice values at 20 °C and 65% relative humidity)</li> <li>Dust-dry: after approx. 1 hour</li> </ul>



System products	Art. No.
OB-008	(2787)
Oiled Floor Care [eco]	(7699)
Velours Roller	(4442)



07/06/2018  
USCG-Nr.:  
164.112/EC00738/116.490

Quantity per pallet	444	80	22
Packaging unit	1 l Tin canister	5 l Tin bucket	20 l Tin bucket
Container code	85	05	20
Art. No.			
1826 clear	■	■	■
1829 special colours	■	■	■

# Oiled Floor Care [eco]

Care product for oiled and waxed wooden floors

Range of use:	<ul style="list-style-type: none"> <li>Wooden floors and stairs</li> <li>Cork floors</li> <li>To be used only on previously treated surfaces (e.g. with Hard Wax Oil, HWS-112, HSO-117 or Natural Hard Wax Oil [eco])</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Made from at least 90% renewable raw materials</li> <li>A vegan product based on the information available to us, e.g. from raw material suppliers, and on the manufacturing techniques we use</li> <li>Water-based, with a very low solvent content</li> <li>Forms a thin protective layer of high quality waxes on the surface</li> <li>Protects the surface from early wear</li> <li>Can be polished after drying</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>DIN EN 71-3 "Safety for toys"</li> <li>Data sheet on ingredients</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>Damp-wipe the floor</li> <li>Never flood wooden floors, damages caused by wood swelling can ensue</li> <li>To avoid stains, never leave damp cloths on wood surfaces</li> <li>Observe the "Care Instructions for Oiled Surfaces and Floors"</li> </ul>
Application rate:	200 ml pro 10 l of cleaning water

Quantity per pallet	288
Packaging unit	4x 1 l Plastic bottle
Container code	01
Art. No.	
7699 clear	■



System products	Art. No.
Hard Wax Oil	(0695)
Hard Wax Oil [eco]	(7684)
HWS-112	(1826)
HSO-118 [eco]	(7701)





# General Directions

## Oils and waxes

### **Application with or without removal of excess quantities?**

When using Hard Wax Oil and HSO-118 [eco], no excess material should remain on the surface after a treatment time of 20 - 30 minutes – especially not on non-absorbing areas, since this may slow down the drying process.

The absorbing capacity of the substrate is influenced by the sanding of the wood. The finer the sanding of the wood, the less oil is absorbed by the wood and the lower the protection of the wood. If HWS-112 is used, the excess product can be left on the surface!

### **Coloured, oiled surfaces**

Hard Wax Oil, HSO-118 [eco] and HWS-112 can also be supplied already coloured. Especially when working with products that require removal of the excess material (HSO-117 & Hard Wax Oil), there are limits on how intense the final colour can be!

### **Cleaning and care**

For regular care, we recommend wiping the surfaces with Remmers Oiled Floor Care [eco]. This optimally protects oiled floors and stairs for a long time.

### **Notes on self-ignition**

Textiles contaminated with oils (such as cleaning rags, work cloths or filter mats) may have a tendency to spontaneous ignition and should thus be collected and disposed of in fire-resistant waste containers. Alternatively, they can be washed with water and hung up to dry outdoors.

Regularly dispose of overspray in a fireproof way to avoid ignition. Let fresh overspray dry before sweeping up.

Risk of spontaneous ignition (DGUV Information 209-046).





# Oils and waxes System Solutions

Range of use	Oak and ash	Beech and alder	Maple and birch	Spruce / fir (knot-free)	Walnut, mahogany and cherry
Living room & bedroom furniture	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4
Kitchen and bathroom furniture	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4
Tables and worktops, counters	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4
Ceiling and wall linings	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4
Trade fair stands and shop fitting	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4
Interior furnishing	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4
Ship interior finishing	T1	T1	T1	T1	T1
Interior doors	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4
Stairs	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4
wooden floors	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4	T1 / T2 / T3 / T4



# Coating Systems

System	Properties	Operation	Product
<b>T1</b>	<ul style="list-style-type: none"> <li>▪ Single-component sealant</li> <li>▪ Natural look and feel</li> <li>▪ Very high durability</li> <li>▪ No removal of excess</li> </ul>	<ul style="list-style-type: none"> <li>▪ Preparation / Sanding (sand afterwards)</li> <li>▪ Colouring / stains (if needed)</li> <li>▪ Priming</li> <li>▪ Drying / Sanding (after drying)</li> <li>▪ Sealing</li> </ul>	<p>P100 – P180</p> <p>OB-008 HWS-112 clear P240 – P320</p> <p>HWS-112 clear</p>
<b>T2</b>	<ul style="list-style-type: none"> <li>▪ Single-component sealant</li> <li>▪ Pigmented</li> <li>▪ Natural look and feel</li> <li>▪ Very high durability</li> <li>▪ No removal of excess</li> </ul>	<ul style="list-style-type: none"> <li>▪ Preparation / Sanding (sand afterwards)</li> <li>▪ Colouring / stains (if needed)</li> <li>▪ Priming</li> <li>▪ Drying / Sanding (after drying)</li> <li>▪ Sealing</li> </ul>	<p>P100 – P180</p> <p>OB-008 HWS-112 coloured P240 – P320</p> <p>HWS-112 coloured</p>
<b>T3</b>	<ul style="list-style-type: none"> <li>▪ Single-component High Solid Oil</li> <li>▪ Made from renewable raw materials</li> <li>▪ Vegan</li> <li>▪ Food-safe</li> <li>▪ With removal of excess</li> </ul>	<ul style="list-style-type: none"> <li>▪ Preparation / Sanding (sand afterwards)</li> <li>▪ Oiling</li> <li>▪ Remove excess after action time (20 - 30 minutes)</li> <li>▪ Drying / Optional sanding (after drying)</li> <li>▪ Repeat if needed</li> <li>▪ Remove excess after action time (20 - 30 minutes)</li> </ul>	<p>P80 – P180</p> <p>HSO-118 [eco] clear</p> <p>P240 – P320</p> <p>HSO-118 [eco] clear</p>
<b>T4</b>	<ul style="list-style-type: none"> <li>▪ Single-component High Solid Oil</li> <li>▪ Made from renewable raw materials</li> <li>▪ Vegan</li> <li>▪ With removal of excess</li> </ul>	<ul style="list-style-type: none"> <li>▪ Preparation / Sanding (sand afterwards)</li> <li>▪ Oiling</li> <li>▪ Remove excess after action time (20 - 30 minutes)</li> <li>▪ Drying overnight</li> <li>▪ Oiling</li> <li>▪ Remove excess after action time (20 - 30 minutes)</li> </ul>	<p>P80 – P180</p> <p>HSO-118 [eco] coloured</p> <p>HSO-118 [eco] clear</p>





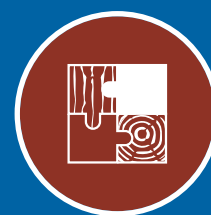
# Stains

With the highly flexible stain concept of Remmers, there are no limits to the number of colours you can create – thanks to the innovative modularity. With just 3 - 4 different coloured base stains that can be mixed with each other in any ratio, you can produce wood stains in the most different nuances of colour that are especially coordinated to the species of wood you want to stain. Remmers concentrates mainly on water-based staining concepts that harmonise equally well with both solvent- and water-based coating systems.



#### Customer benefits in detail:

- Modular design for stains
- For flexible production of stain colours by the processor
- Perfectly matched to Remmers varnishes and oils



## Stains

- **Aqua KB-004 Compact Stain (page 86)**  
Water-based pigment stain for universal use
- **Aqua BB-007 Brilliant Stain (page 87)**  
Water-based dye stain for universal use
- **Aqua PB-006 Positive Stain (page 88)**  
Water based softwood stain for flexible production of positive stains
- **OB-008 Oil Stain (page 89)**  
Solvent-based, linseed oil stain with a very long open time
- **Aqua KWP-841 Lime and Wipe Paste (page 90)**  
Water-based pigment preparation for decorative effects on wood



# Aqua KB-004 Compact Stain

Water-based pigment stain for universal use

Range of use:	<ul style="list-style-type: none"> <li>Fine-pored wood such as beech, maple, cherry and walnut</li> <li>Pores are accentuated (e.g. rustic effect on oak and ash)</li> <li>Softwood stained without positive effect</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Highly concentrated combinations of pigments</li> <li>Lightfast and with good pore wetting performance</li> <li>Suitable for universal use</li> <li>Very intensive wood colouring when used undiluted</li> <li>Colour intensity can be adjusted with water or clear</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>By brush and spraying (then wiping off exceeding material)</li> <li>Flow cup gun: nozzle size: 1.0 – 1.6 mm, atomiser air pressure: 1.0 – 2.0 bar</li> </ul>










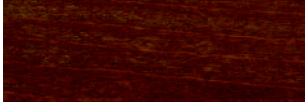


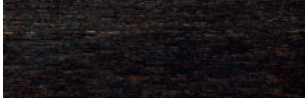



Quantity per pallet	288	96	22
Packaging unit	1 l Plastic bottle	5 l Plastic canister	20 Tin bucket
Container code	01	05	20
Art. No.			
3840 clear	■	■	
3841 wenge	■	■	
3842 rustic	■	■	
3843 mahogany	■		
3853 dark brown	■	■	
3857 special colours*	■	■	■

**Note:** All colours are mixable with one another



System products	Art. No.
PUR HL-211/90 High Gloss Finish	(1961)
Aqua 2HL-411/90-2K High Gloss Finish	(3872)
Aqua NK-004 Nuance Concentrate	(3844)
Aqua SL-41X Finish	
PUR SL-21X Finish	

## Attractive, ready-to-use standard and base colours (e.g. on beech)

			
rustic Art. No. 3842	MR with water FT No. FT24018	MR with water FT No. FT24022	MR with water FT No. FT24026
	1:1	1:7	1:40
			
mahogany Art. No. 3843	MR with water FT No. FT24019	MR with water FT No. FT24023	MR with water FT No. FT24027
	1:1	1:7	1:40
			
dark brown Art. No. 3853	MR with water FT No. FT24020	MR with water FT No. FT24024	MR with water FT No. FT24028
	1:1	1:7	1:40
			
wenge Art. No. 3841	MR with water FT No. FT24021	MR with water FT No. FT24025	MR with water FT No. FT24029
	1:1	1:7	1:40

# Aqua BB-007 Brilliant Stain

Water-based dye stain for universal use

Range of use:	<ul style="list-style-type: none"> <li>Production of very brilliant shades of stains</li> <li>Fine-pored wood such as beech, maple, cherry and walnut</li> <li>Coloured decoration of wood surfaces in interior finishing</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Highly concentrated combinations of dyes</li> <li>Perfectly lightfast and uniform staining</li> <li>Colour intensity can be fine-tuned with water</li> <li>Very intense wood colouring when used undiluted</li> <li>Can be coated over with Aqua varnishes (no bleeding)</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>By brush and spraying</li> <li>Flow cup gun: nozzle size: 1.0 – 1.6 mm, atomiser air pressure: 1.0 – 2.0 bar</li> </ul>




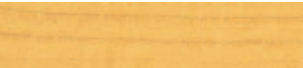


















Quantity per pallet	288	96
Packaging unit	1 l Plastic bottle	5 l Plastic canister
Container code	01	05
Art. No.		
2030 brown	■	
2031 yellow	■	
2032 orange	■	
2034 red	■	
2035 black	■	
2033 special colours*	■	■

**Note:** All colours are mixable with one another

System products	Art. No.
PUR HL-211/90 High Gloss Finish	(1961)
Aqua 2HL-411/90-2K High Gloss Finish	(3872)
Aqua NK-004 Nuance Concentrate	(3844)
Aqua SL-41X Finish	
PUR SL-21X Finish	

## Attractive, ready-to-use standard and base colours (e.g. on maple)

			
yellow Art. No. 2031	MR with water FT No. 1:1 FT34933	MR with water FT No. 1:7 FT34934	MR with water FT No. 1:40 FT34935
			
orange Art. No. 2032	MR with water FT No. 1:1 FT34936	MR with water FT No. 1:7 FT34937	MR with water FT No. 1:40 FT34938
			
red Art. No. 2034	MR with water FT No. 1:1 FT34939	MR with water FT No. 1:7 FT34940	MR with water FT No. 1:40 FT34941
			
brown Art. No. 2030	MR with water FT No. 1:1 FT34942	MR with water FT No. 1:7 FT34943	MR with water FT No. 1:40 FT34944
			
black Art. No. 2035	MR with water FT No. 1:1 FT34945	MR with water FT No. 1:7 FT34946	MR with water FT No. 1:40 FT34947

\* For orders of ready-to-use stains according to customer specifications.

# Aqua PB-006 Positive Stain

Water-based softwood stain for flexible production of positive stains

Range of use:	<ul style="list-style-type: none"> <li>Softwood that is to be stained with a pronounced positive effect (emphasis of the hard annual rings)</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Base colours for the production of ready to use stains</li> <li>Colour intensity can be adjusted with clear</li> <li>Pronounced positive effect, strong emphasis of the hard annual rings)</li> <li>Compatible with both solvent- and water-based varnishes</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>Spray</li> <li>Flow cup gun: nozzle size: 1.0 – 1.6 mm, atomiser air pressure: 1.0 – 2.0 bar</li> <li>Do not apply forced drying</li> </ul>

Quantity per pallet	288	48
Packaging unit	1 l Plastic bottle	5 l Plastic canister
Container code	01	05
Art. No.		
3882 reddish brown	■	
3883 yellow-green	■	
3884 anthracite	■	
3885 white	■	
3886 clear	■	
3789 special colours*	■	■



System products	Art. No.
Aqua NEL-419/05 Natural Effect Varnish	(5309)
PUR RHE-217/10 Raw Wood Effect Lacquer	(1957)
Aqua SL-41X Finish	
PUR SL-21X Finish	

## Attractive, ready-to-use standard and base colours (e.g. on spruce)



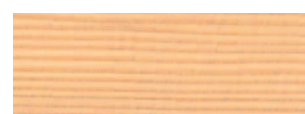
reddish brown Art. No. 3882



MR with water 1:1  
FT No. FT24051



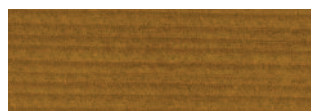
MR with water 1:3  
FT No. FT24055



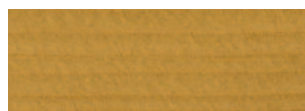
MR with water 1:7  
FT No. FT24059



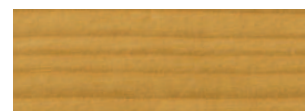
yellow-green Art. No. 3883



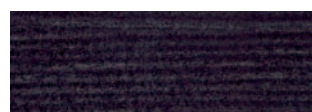
MR with water 1:1  
FT No. FT24052



MR with water 1:3  
FT No. FT24056



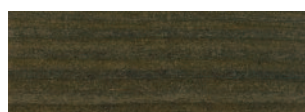
MR with water 1:7  
FT No. FT24060



anthracite Art. No. 3884



MR with water 1:1  
FT No. FT24053



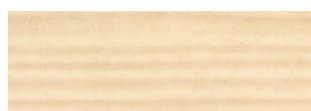
MR with water 1:3  
FT No. FT24057



MR with water 1:7  
FT No. FT24513



white Art. No. 3885



MR with water 1:1  
FT No. FT24054

### Note:

The colour white must not be lightened up more than 1:2 with clear!



# OB-008 Oil Stain

Solvent-based, linseed oil stain with a very long open time

Range of use:	<ul style="list-style-type: none"> <li>Especially for use on softwood and coarse-pored wood (e.g. oak)</li> <li>For use under finishes on an oil, wax or alkyd resin base</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Ready-to-use base colours that can be mixed with each other</li> <li>Long open time for streak-free application (on large surfaces)</li> </ul>
Certifications/Test standards:	Approval for parquet and wooden floors (AbZ)
Application / Directions:	<ul style="list-style-type: none"> <li>By brush, roller</li> <li>Remove exceeding product after action time</li> <li>Attention: Observe the information on self-ignition!</li> </ul>

Quantity per pallet	360	96
Packaging unit	1 l Tin canister	5 l Tin bucket
Container code	01	05
Art. No.		
2787 clear	■	
2788 intense white	■	
2789 walnut (RC-660)	■	
2790 light oak (RC-365)	■	
2791 teak (RC-545)	■	
2792 ebony (RC-790)	■	
2793 silver grey (RC-970)	■	
2794 special colours	■	■



System products	Art. No.
HWS-112	(1826)
HWS-118 [eco]	(7708)



## Attractive, ready-to-use standard and base colours (e.g. on oak)



light oak (RC-365) Art. No. 2790



teak (RC-545) Art. No. 2791



walnut (RC-660) Art. No. 2789



ebony (RC-790) Art. No. 2792



intense white Art. No. 2788



silver grey (RC-970) Art. No. 2793

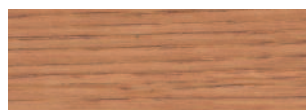
## Examples of modern shades created by mixing (e.g. on oak)



1 part light oak (RC-365)  
1 part silver grey (RC-970)



1 part light oak (RC-365)  
1 part intense white



1 part teak (RC-545)  
1 part intense white



2 parts walnut (RC-660)  
1 part intense white



2 parts intense white  
1 part walnut (RC-660)



1 part light oak (RC-365)  
1 part ebony (RC-790)



2 parts intense white  
1 part silver grey (RC-970)



1 part intense white  
1 part ebony (RC-790)

# Aqua KWP-841 Lime and Wipe Paste

Water-based pigment preparation for decorative effects on wood

Range of use:	<ul style="list-style-type: none"> <li>■ Interior wood</li> <li>■ Furniture and interior finishing work</li> <li>■ Wooden floors and stairs</li> <li>■ Textured softwood</li> <li>■ Coarse-pored wood such as oak or ash</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Ready-to-use</li> <li>■ Intense colouring</li> <li>■ Mild odour</li> <li>■ Long open time for streak-free application (on large surfaces)</li> <li>■ Fast drying</li> <li>■ Easy to sand</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>■ By brush, roller, spraying</li> <li>■ Flow cup gun: nozzle size: 2.0 – 2.5 mm, atomiser air pressure: 2.0 – 3.0 bar</li> <li>■ Distribute with a putty knife or cloth</li> <li>■ Remove exceeding product by sanding with 240 – 320 grain after drying</li> <li>■ Finish with a suitable system product</li> </ul>
Application rate:	Approx. 60 – 120 ml/m <sup>2</sup> depending on the desired effect
Can be overcoated:	After approx. 1 hour (practice values at 20 °C and 65 % relative humidity)

Quantity per pallet		672
Packaging unit		0,75 l Tin bucket
Container code		01
Art. No.		
3210	white	■
3211	special white-based colours	■



System products	Art. No.
HWS-112 Hard Wax Seal	(1826)
Clear PUR varnishes	
Clear Aqua varnishes	









# Complementary products and accessories

Here you will find useful complementary products that are largely universal in use and naturally compatible with our coating systems: two-component fillers, polyurethane adhesives, sealing compounds and tools for mixing coatings and hardening components.

#### Customer benefits in detail:

- Helpers for daily business
- Tried & tested
- Perfectly matched to the Remmers varnishes & oils



#### Complementary products and accessories

- **Induline 2K Filler (page 94)**  
For levelling deeper unevenness
- **MultiBond Express (page 95)**  
Clear, universal, high-strength PUR adhesive
- **MultiSil (page 96)**  
Universal alkoxy-cross-linking silicone sealant
- **Patent Disperser (page 97)**  
Aid for working hardener components into coating materials
- **Mixing Cup System for 2K varnishes (page 97)**  
System for mixing, pouring and storing of two-component coating materials

# Induline 2K Filler

For levelling deeper unevenness

Range of use:	<ul style="list-style-type: none"> <li>■ Wood indoors and outdoors</li> <li>■ Windows, doors, laminated wood, furniture etc.</li> <li>■ Other substrates: steel sheet, cast iron or aluminium and particleboards</li> </ul>
	<ul style="list-style-type: none"> <li>■ For use by professionals</li> <li>■ Unsuitable substrates: <ul style="list-style-type: none"> <li>- substrates that are not resistant to cellulose thinners (e.g. acrylic coatings)</li> <li>- hot dip or electro-galvanised steel sheet</li> <li>- reaction primer (Wash Primer), synthetic resin or cellulose primers, since on these substrates adhesion problem may occur</li> <li>- tropical wood such as teak or rosewood contains substances that can strongly slow down or even prevent polyester from curing</li> </ul> </li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Elastic, two-component, fine filler on a polyester base</li> <li>■ Reduced styrene content</li> <li>■ Easily drawn out</li> <li>■ Good filling properties</li> <li>■ Easily sanded</li> <li>■ Low volume shrinkage</li> </ul>
Mixing:	Thoroughly mix the desired quantity of filler with approx. 2% hardener paste and use within 4 – 5 minutes
Application / Directions:	<ul style="list-style-type: none"> <li>■ Filling knife</li> <li>■ On wood outdoors expansion and contraction movement can generally cause spalling</li> <li>■ After 20 – 25 minutes of curing, Induline 2K Filler can be sanded while dry or wet</li> </ul>
Application rate:	According to needs
Can be overcoated:	After 15 – 20 minutes (practice values at 23 °C and 60 % relative humidity)



## System products

Remmers interior coatings

Induline coating system

Remmers wood paints for the artisanal sector

<b>Quantity per pallet</b>	<b>1104</b>
<b>Packaging unit</b>	<b>6× 500 g</b> tin can
<b>Container code</b>	01
<b>Art. No.</b>	
3261 spruce	■



# MultiBond Express

Clear, universal, high-strength PUR adhesive

Range of use:	<ul style="list-style-type: none"> <li>Indoors and outdoors</li> <li>Suitable for universal use</li> <li>Wood, metal, ceramics, PVC, polystyrene and glass</li> <li>Mounting furniture, panels, moulding and door linings</li> <li>Gluing wooden windows and doors</li> <li>Not suitable for PE, PP, PTFE or silicone</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>Single-component</li> <li>Solvent-free</li> <li>High adhesive strength, no staining</li> <li>Invisible bonds</li> <li>Water-resistant according to DIN EN 204: D4</li> <li>Does not run off, evens out surface irregularities</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>Work using a sealant gun</li> <li>Lightly wet both parts to be joined in order to achieve the maximum adhesive strength and rapid establishment of the bond. If joining two non-porous parts: lightly wet one side only. Apply the adhesive on one side and push together the pieces to be joined within 5 minutes, using a slight sliding or twisting movement if necessary and applying strong pressure. A higher adhesive strength is achieved by pressing the parts together (for at least 60 minutes). The adhesive bond must not be moved while it is hardening.</li> <li>The glue can be applied in dots or in a strip</li> </ul>
Application rate:	Approx. 5 - 15 g/m <sup>2</sup> if applied in strips, approx. 50 g/m <sup>2</sup> if applied in dots

Quantity per pallet	1500
Packaging unit	15× 310 ml cartridge
Container code	15
Art. No.	
1571 clear	■



## System products

Remmers interior coatings  
Induline coating system  
Remmers wood paints for the artisanal sector

# MultiSil

Universal alkoxy-cross-linking silicone sealant

Range of use:	<ul style="list-style-type: none"> <li>■ Glazing work – especially in wood window manufacturing</li> <li>■ Expansion and connection joints in buildings and sanitary areas</li> <li>■ Waterproofing in roof areas</li> <li>■ Metal and sheet metal processing</li> <li>■ Interior construction, parquet etc.</li> <li>■ Mounting of mirrors and plexiglass</li> <li>■ Do not use on natural stone (e.g. marble) or for aquariums or underwater joints</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Wear-resistant and streak-free</li> <li>■ Coating-compatible according to DIN 52452, part 4</li> <li>■ Film preservative protects against microbial damage</li> <li>■ No need for an adhesive primer on many substrates</li> </ul>
Certifications/Test standards:	<ul style="list-style-type: none"> <li>■ Foodstuff test report</li> <li>■ Test certificate - clean room</li> <li>■ National Test Certificate - building material class B1</li> <li>■ Certificate of compliance - building material class B1</li> <li>■ Test certificate - resistance to aggressive media</li> <li>■ Plexiglas compatibility test</li> <li>■ Test report - decontamination properties, absence of heavy metals, resistance to mould fungi, mirror compatibility, bitumen compatibility DIN 52452, ift wear test report</li> </ul>
Application:	Spraying
Application rate:	Approx. 100 ml/running metre for a 1 cm <sup>2</sup> joint cross-section
Can be overcoated:	Skin formation: after approx. 8 minutes (practice values at 23°C and 50% relative humidity) Hardening: after approx. 2 mm / day (practice values at 23°C and 50% relative humidity)



System products	Art. No.
Silicon Primer P	(7270)
Smoothing Agent	(7725)
Induline window coating system	
Joint compounds - mineral	

Quantity per pallet	1056	1200	864
Packaging unit	12× 310 ml cartridge	20× 400 ml aluminium bag	12× 600 ml aluminium bag
Container code	12	32	60
Art. No.			
7378 window grey	■		■
7379 cement grey	■		
7380 transparent	■	■	■
7381 white	■	■	■
7382 medium brown	■		■
7385 brown	■		
7386 dark brown	■		■
7387 black	■		■
7388 manhattan	■		■
7390 dark grey	■		■
7391 light grey/silver grey	■		■
7392 medium grey	■		■
7395 oregon	■		■
7401 beige grey (RAL 7006)	■		
7402 fir green (RAL 6009)	■		
7403 moss green (RAL 6005)	■		
7389 special colour	■		

# Patent Disperser

Aid for working hardener components into coating materials

Range of use:	Homogeneous, bubble-free mixing and stirring of liquid, multi-component products
Property profile:	<ul style="list-style-type: none"> <li>■ Polygonal mixing head with outlets for flow optimisation</li> </ul>
Application / Directions:	<ul style="list-style-type: none"> <li>■ Sturdy design</li> <li>■ Fits in any power drill with a chuck of at least 10 mm</li> <li>■ Polygonal mixing head with outlets for flow optimisation</li> </ul>



Quantity per pallet		
Packaging unit	Ø: approx. 10 cm length: approx. 53 cm piece	Ø: approx. 6 cm length: approx. 37 cm piece
Container code	01	02
Art. No.		
4747	■	■

# Mixing Cup System for 2K varnishes

System for mixing, pouring and storing of two-component coating materials

Range of use:	<ul style="list-style-type: none"> <li>■ All two-component coating systems</li> <li>■ Remmers two-component PUR and Aqua varnishes / stains</li> </ul>
Property profile:	<ul style="list-style-type: none"> <li>■ Cup volume 920 ml</li> <li>■ User-friendly</li> <li>■ No cleaning work</li> <li>■ No complicated calculations</li> <li>■ Practically oriented use</li> <li>■ No solvent waste</li> <li>■ No mixing errors</li> </ul>



Quantity per pallet	60
Packaging unit	1 piece
Container code	01
Art. No.	
4270 exterior cup	■
4271 interior cup (poly-bag 100 pieces)	■
4273 lid	■



# Customer-oriented services in all disciplines

The customer at the centre of our performance

Thanks to our long experience, we know that competent advice and solving problems together are the way to reach your goals. Especially in the field of surface treatment and application technology, the qualification and expertise of the consultant is a crucial factor. This is why our expert technicians are at your side for support for the right selection of products, equipment and configuration of the necessary production processes. Our high-performance logistics then ensures an optimal availability of our products.





#### **Close-knit consultancy network:**

Over 300 competent technical consultants in Germany alone.

#### **Advice for the conception of new coating technologies:**

Our specialists of the Remmers Technical Service offer on-site support on difficult issues and problems.

#### **Two modern competence centres:**

In Hiddenhausen and Lönigen we offer our customers the possibility to carry out simulations of all coating application procedures for the industry and professional trade. In addition, the competence centres serve to transfer knowledge through integrated training and seminar centres.

#### **Qualified training offers:**

The Bernhard Remmers Academy regularly offers a wide range of workshops especially for practitioners in the professional trade.



#### **Unique Remmers 24h Logistics Concept**

The logistics concept has been awarded with the European Prize for Logistics and ensures optimal capability for deliveries all over Europe. This way, we ensure an immediate product availability for you at any time.



#### **Fully automated tinting concept for water- and solvent-based polyurethane colour coatings:**

Are 24 hours too long a time for the desired colour? With the fully automated tinting concept and a comprehensive databank of formulations, we offer immediate availability to our partners in the specialist retail sector, making our products available for pick-up in your region.

