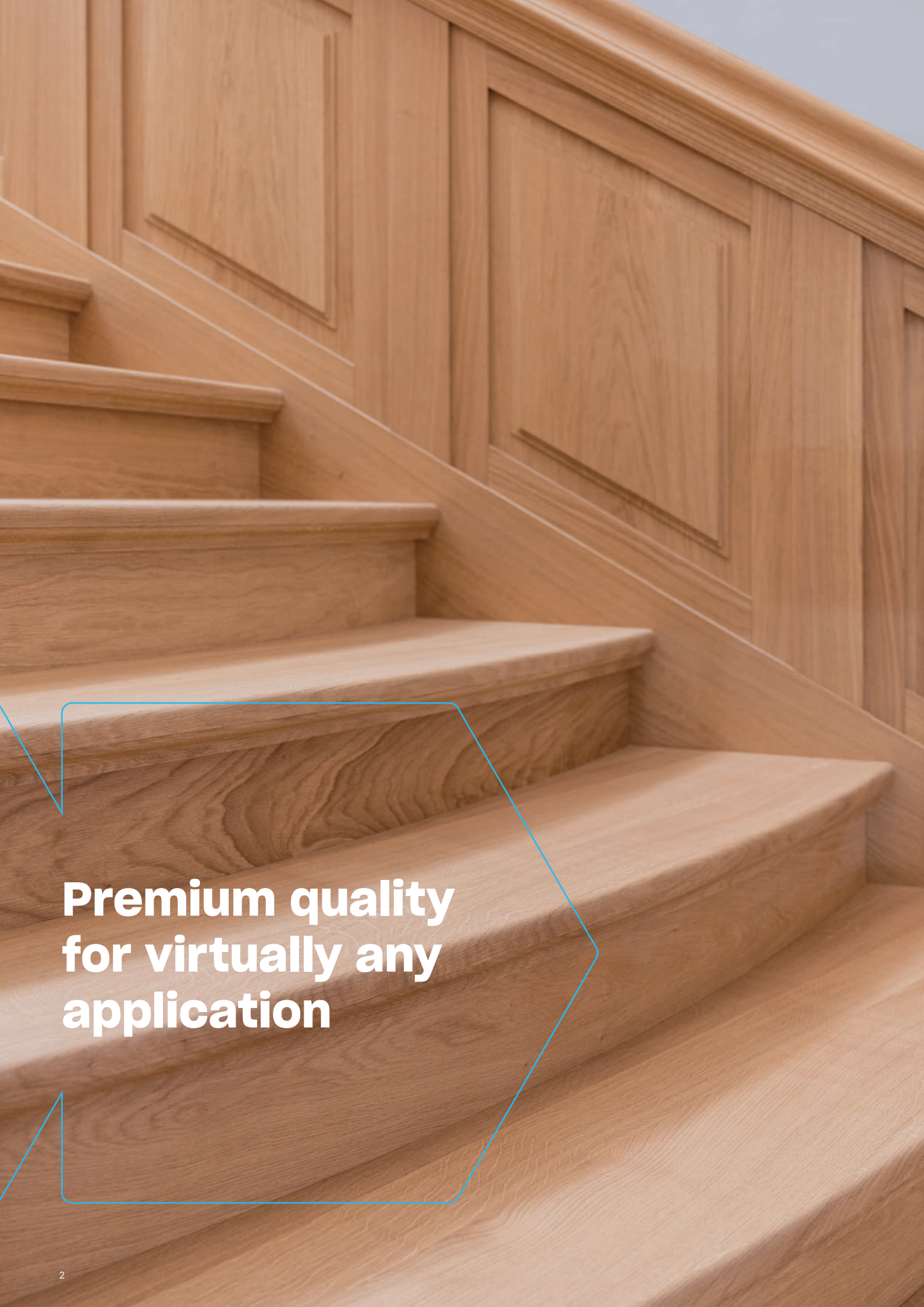
What do you want to get done?

Wood varnishes, oils and stains for joiners

All-round solutions

Digital brochures

Photo in cooperation with Imbusch



Premium quality for virtually any application

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Complete product range for the professional trade and series production

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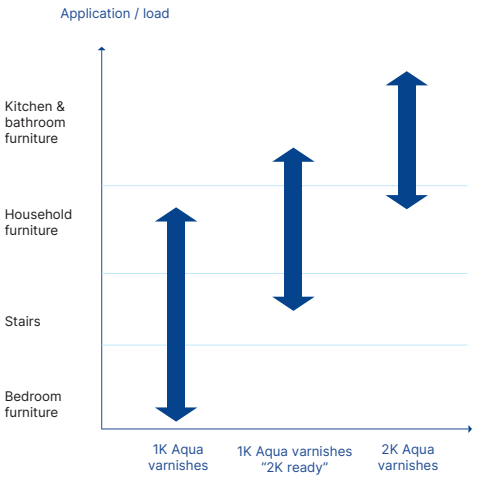
Because progress comes from getting it done

Achieving the best results with safe and innovative products

For you and together with you.
We know from over 75 years of experience: Progress comes from getting things done. Success comes from getting things done. The future comes from getting things done. And this is why, over the years, we have evolved into a leading specialist for wood protection and finishing, with a presence throughout Europe. With our wood varnishes, oils and stains, we offer joiners a complete and compact range for interior wood finishing. The systems are all safe and easy to use, from our range of classic solvent-based 2K PUR varnishes and our stain systems to our most innovative products:



Innovative, versatile water-based solutions
Remmers is the specialist in water-based varnishes for the timber industry. Our business is built on decades of experience in industrial window coating, wood coating systems and interior wood varnishes. The high-performance 1K Aqua varnishes from Remmers can be used to tackle a wide range of tasks in a sustainable way. These products are also "2K-ready" and their properties can be further enhanced with Aqua VGA-485 if required. With its new 2K Aqua varnishes, Remmers has created a special range of high-performance premium coatings for exclusive furniture and interior fittings. The products offer maximum resistance, are much lower in emissions and are designed for users who are looking to switch from solvent-based 2K PUR varnishes to an environmentally friendly but no less effective alternative.

Oils and hard wax sealers – natural alternatives to varnishes
Remmers offers products based on natural oils and waxes as an alternative to varnishes for furniture, interior fittings, wooden flooring and wooden stairs. A special feature of these products is their natural look and feel. And when it comes to application, all the products are highly efficient: the 2K oil HSO-118 [eco] can even be applied in just one coat. One of Remmers' specialities is products in the category of hard wax sealers, either as a conventional, solvent-based solution or in an eco-friendly, water-based version. Surfaces finished with HWS-112 & Aqua HWS-712 [eco] are as beautiful as oiled surfaces and are just as resistant as 2K varnishes.

Proven safety

Remmers ensures that its products function effectively and are safe 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, oils and stains have been assessed. This gives our customers products they can rely on – especially when dealing with public tenders.

Test symbols that guarantee the quality of our products

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 a score of 1B.

Decopaint 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 content of the ready-to-use product, thinners and hardeners included.

Testing of the combustion properties (EN 13501-1)
Besides fire resistance as such, other criteria such as smoke production and flaming droplets are assessed. Coating materials are always tested in combination with fire-resistant substrates.

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 ship's wheel certificate granted by the International Maritime Organization (IMO).

DIN EN 71-3 Migration of certain elements
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
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 samples in special test chambers according to the 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 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
For selected Remmers products, explicit attention is given to the avoidance of animal ingredients. This is based on the information available to us, e.g. from raw material suppliers, and on the manufacturing techniques we use.

Water-based finishes and topcoats

Our clear, water-based varnishes are highly durable, with high transparency and excellent emphasis of the wood grain. With regard to look, feel and durability, you can hardly tell the difference between them and their solvent-based counterparts.

The customer benefits in detail:

- ✓ High-performance 1K Aqua finishes
- ✓ No hardener, no thinner, no pot life and no waste
- ✓ Eco-friendly & quick-drying
- ✓ 2K Aqua varnishes for heavy-duty applications

Recommended products

Finishes and topcoats

Aqua SL-418 Finish

Transparent 1K finish with high durability

Aqua NEL-419/05 Natural Effect Varnish

Clear 1K finish for natural wood effects with high durability

Aqua TL-412 Stair Varnish

High-build, abrasion-resistant 1K finish

Aqua NTL-420/05 Natural Effect Stair Varnish

High-build, abrasion-resistant 1K finish for natural wood effects

Aqua 2SL-452-2K Finish

Lightfast 2K finish for highly durable coatings

Aqua 2HL-411/90 High Gloss Varnish

Lightfast, transparent 2K topcoat for high gloss finishes

Parquet sealing

Aqua FKL-402 Joint Filler Solution

Water-based joint filler liquid for parquet and wooden floors

Aqua MSV-403 Parquet Primer

Primer for wooden floors to reduce glue running into joints

Aqua PL-413 Parquet Varnish

1K sealing varnish for roller application

Aqua SL-418 Finish

Transparent 1K finish with high durability

Range of use	■ Interior wood ■ Primer & topcoat ■ Solid wood & veneer ■ Living room & bedroom furniture ■ Interior finishing work: e.g. panels, borders, cladding & interior doors ■ As a glass lacquer (in combination with Aqua VGA-485) ■ Topcoat for Aqua coloured varnishes
Properties	■ Sprayable water-based lacquer for an even layer (no milky wet film) ■ Good block resistance ■ Good flow properties ■ Elegant pore pattern ■ Resistant to chemicals: DIN 68861, 1B ■ Good resistance to a wide range of popular hand creams ■ Excellent emphasis of the grain ■ Lightfast ■ Surfaces do not become glossy ■ Fire behaviour acc. to DIN EN 13501-1: B-s1, d0 on suitable substrates ■ Suitable for ship interior finishing (IMO) ■ 2K ready: Improvement of the resistance to chemicals, disinfectants, abrasion and scratches, as well as adhesion to glass, by adding 2% Aqua VGA-485
Certificates/test standards	■ DIN EN 71-3 "Migration of certain elements" ■ Food contact ■ Declaration of conformity (Marine Equipment Directive) ■ Classification of fire behaviour according to DIN EN 13501-1 (B-s1, d0)
Application	■ Flow cup gun: Nozzle: 1.8 - 2.0 mm, atomiser air pressure: 2.0 - 3.0 bar ■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	■ 100 - 120 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 1 hour ■ Overcoating: after approx. 4 hours ■ Stacking: after drying overnight

Quantity per pallet		**96**	**22**
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
10 dull matt			
clear	5310	■	■
20 matt			
clear	5311	■	■
30 semi-matt			
clear	5312	■	■

System products	Art. no.
Aqua CL-440	(3802)
Aqua VGA-485	(3256)
SM-820	(1942)
Aqua stains	

Aqua NEL-419/05 Natural Effect Varnish

Clear 1K finish for natural wood effects with high durability

Range of use	▪ Interior wood ▪ Especially suited to light and light-stained woods: oak, maple, ash, birch, spruce, pine ▪ Primer & topcoat ▪ Solid wood & veneer ▪ Living room & bedroom furniture ▪ Interior finishing work: e.g. panels, borders, cladding & interior doors
Properties	▪ For coatings that are imperceptible visually and to the touch ▪ Good block resistance ▪ Resistant to chemicals: DIN 68861, 1B (except for alcohol) ▪ Good resistance to a wide range of popular hand creams ▪ Lightfast ▪ Surfaces do not become glossy ▪ Fire behaviour acc. to DIN EN 13501-1: B-s1, d0 on suitable substrates ▪ Suitable for ship interior finishing (IMO) ▪ 2K ready: Improvement of the resistance to chemicals, disinfectants, abrasion and scratches, as well as adhesion to glass, by adding 2% Aqua VGA-485
Certificates/test standards	▪ DIN EN 71-3 "Migration of certain elements" ▪ Food contact ▪ Declaration of conformity (Marine Equipment Directive) ▪ Classification of fire behaviour according to DIN EN 13501-1 (B-s1, d0)
Application	▪ Flow cup gun: Nozzle: 1.8 - 2.0 mm, atomiser air pressure: 2.0 - 3.0 bar ▪ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar ▪ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar
Application rate	▪ 80 - 120 ml/m² per coat
Overcoating	▪ Dust-dry: after approx. 1 hour ▪ Overcoating: after approx. 4 hours ▪ Stacking: after drying overnight

Quantity per pallet		**96**	**22**
Packaging unit		**5 l**	**20 l**
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
clear, cloth matt	5309	■	■

System products	Art. no.
Aqua VGA-485	(3256)
Aqua stains	

Aqua TL-412 Stair Varnish

High-build, abrasion-resistant 1K finish

Range of use	■ Interior wood ■ Primer & topcoat ■ Solid wood & veneer ■ Wooden stairs ■ Living room & bedroom furniture ■ Interior finishing work: e.g. panels, borders, cladding & interior doors ■ As a glass lacquer (in combination with Aqua VGA-485)
Properties	■ Quick-drying and easy to sand ■ Excellent build (after just 2 coats of varnish) ■ Can also be used on vertical surfaces ■ Excellent de-foaming action, even on vertical surfaces and dark substrates ■ Resistant to abrasion and scratches ■ No creaking ■ Resistant to chemicals: DIN 68861, 1B (except for alcohol) ■ Good resistance to a wide range of popular hand creams ■ Add SM-820 for “R10” slip resistance ■ Fire behaviour acc. to DIN EN 13501-1: C-s1,d0 on suitable substrates ■ Suitable for ship interior finishing (IMO) ■ 2K ready: improvement of the resistance to chemicals, scratches and abrasion, as well as adhesion to glass, by adding 2%Aqua VGA-485
Certificates/test standards	■ DIN EN 71-3 "Migration of certain elements" ■ Declaration of conformity (Marine Equipment Directive) ■ Classification of fire behaviour according to DIN EN 13501-1 (C-s1, d0)
Application	■ Flow cup gun: Nozzle: 2.0 - 2.5 mm, atomiser air pressure: 2.0 - 3.0 bar. ■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	■ 100 - 150 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 45 minutes ■ Overcoating: after approx. 2 - 3 hours ■ Stacking: after drying overnight

Quantity per pallet		**96**	**22**
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
10 dull matt			
clear	2347	■	■
Special colours	2366		■
20 matt			
clear	2370	■	■
30 semi-matt			
clear	2373	■	■
Special colours	3819	■	■
50 silk gloss			
clear	2372	■	■

System products	Art. no.
Aqua VGA-485	(3256)
UMA-824	(3249)
Aqua CL-440	(3802)
Aqua CL-445	(3796)
SM-820	(1942)
Aqua stains	

0736/2024
USCG-Nr.:
164.112/EC0736/116489-01

Aqua NTL-420/05 Natural Effect Stair Varnish

High-build, abrasion-resistant 1K finish for natural wood effects

Range of use	■ Interior wood ■ Especially suited to light and light-stained woods: oak, maple, ash, birch, spruce, pine ■ Primer & topcoat ■ Solid wood & veneer ■ Wooden stairs ■ Living room & bedroom furniture ■ Interior finishing work: e.g. panels, borders, cladding & interior doors ■ As a glass lacquer for satin effects (with Aqua VGA-485)
Properties	■ For a natural wood finish ■ Fast drying ■ Excellent build (after just 2 coats of varnish) ■ Can also be used on vertical surfaces ■ Excellent de-foaming action, even on vertical surfaces ■ Resistant to abrasion and scratches ■ No creaking ■ Resistant to chemicals: DIN 68861, 1B (except for alcohol) ■ Good resistance to a wide range of popular hand creams ■ Slip resistance rating "R10" according to DIN 51130:2014 ■ Very low tendency to shine ■ Fire resistant ■ 2K ready: improvement of the resistance to chemicals, scratches and abrasion, as well as adhesion to glass, by adding 2%Aqua VGA-485
Certificates/test standards	■ DIN EN 71-3 "Migration of certain elements" ■ Slip-resistant "R10" according to DIN 51130:2014-02 ■ Classification of fire behaviour according to DIN EN 13501-1 (C-s1, d0)
Application	■ Flow cup gun: Nozzle: 2.0 - 2.5 mm, atomiser air pressure: 2.0 - 3.0 bar ■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	■ 100 - 150 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 45 minutes ■ Overcoating: after approx. 2 - 3 hours ■ Stacking: after drying overnight

System products	Art. no.
Aqua VGA-485	(3256)
Aqua stains	

Quantity per pallet		96	22
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
clear	3221	■	■

Aqua 2SL-452-2K Finish

Lightfast 2K finish for highly durable coatings

Range of use	■ Interior wood ■ Primer & topcoat ■ Solid wood & veneer ■ High-quality living room furniture and interior furnishing ■ Exclusive interior fittings, kitchen & bathroom furniture ■ Handleless front panels ■ Tabletops and worktops ■ Topcoat on coloured varnishes (resistance to metal rings, gloss level) ■ Coating oak surfaces without green discolouration
Properties	■ Good flow properties ■ Highly transparent, good emphasis of the wood grain ■ Excellent resistance to chemicals ■ Good resistance to a wide range of popular hand creams ■ Resistant to a wide range of PVC plasticisers ■ Very high scratch resistance ■ Lightfast ■ Surfaces do not become glossy
Certificates/test standards	■ DIN 68861, 1B Resistance to chemicals
Preparation	■ 10:1 with Aqua H-484 by volume (10:1 by weight) ■ Add hardener while stirring and homogenise the mixture for at least 2 minutes using the Remmers Patent Disperser ■ If necessary, dilute the varnish/hardener mixture with max. 10% water ■ Working time max. 4 hours under gravity; this may be lower at high temperatures. ■ When applying with a pressure atomiser, e.g. airmix/airless spraying, the processing time is reduced to max. 30 minutes. During breaks in work, set the material supply to unpressurised and remove loads from pumps and spray guns
Application	■ Flow cup gun: Nozzle: 2.0 - 2.5 mm, atomiser air pressure: 2.0 - 3.0 bar ■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar.
Application rate	■ 80 - 120 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 1 hour ■ Touch-dry: after approx. 3 hours ■ Overcoating: after approx. 4-8 hours

Quantity per pallet		**96**	**22**
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
05 cloth matt			
clear	5501	■	■
10 dull matt			
clear	5502	■	■
20 matt			
clear	5503	■	■
30 semi-matt			
clear	5504	■	■

System products	Art. no.
Aqua H-484	(5500)
Aqua 2CL-442	(5505)
Aqua CL-440	(3802)
Aqua CL-445	(3796)
Aqua 2HL-411/90	(3872)
Aqua stains	

Aqua 2HL-411/90-2K High Gloss Varnish

Lightfast, transparent 2K topcoat for high gloss finishes

Range of use	■ Wood and wood-based materials ■ High-quality living room furniture and interior furnishing ■ Exclusive interior fittings, kitchen & bathroom furniture ■ Primer: on coloured MDF boards ■ Primer & topcoat: transparent high-gloss surfaces ■ Topcoat: on Aqua 2CL-442 for coloured high-gloss surfaces
Properties	■ Good flow properties ■ Fast drying ■ Efficient coating system thanks to high filling power ■ Minimal sinking of the varnish film ■ Can be polished once cured ■ High-gloss surfaces ■ Lightfast ■ Excellent resistance to chemicals ■ Good resistance to a wide range of commercially available hand creams
Certificates/test standards	■ DIN EN 71-3 "Migration of certain elements" ■ DIN 68861, 1B Resistance to chemicals
Preparation	■ 5:1 with Aqua H-484 by volume (5:1 by weight) ■ Working time max. 3 hours under gravity; this may be lower at high temperatures.
Application	■ Flow cup gun: Nozzle: 1.6 - 1.8 mm; atomiser air pressure: 2 - 3 bar
Application rate	■ 80 - 120 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 30-45 minutes ■ Overcoating: after approx. 12 hours ■ Polishable: after approx. 3 days

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

System products	Art. no.
Aqua H-484	(5500)
Aqua V-490	(1939)
Aqua 2SL-452	(5501)
Aqua 2CL-442	(5505)
Aqua stains	

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
Properties	▪ Fast drying
Preparation	▪ Mixed with 10-20% wood dust from final sanding to create a compound that can be used for filling ▪ Working time max. 10 min; this may be lower at high temperatures
Application	▪ Then apply your chosen system product for wood treatment.
Application rate	▪ Approx. 50 ml/m² Actual application rate: dependent on the condition of the surface/ joint
Overcoating	▪ Overcoating: after approx. 45 - 60 minutes

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

System products	Art. no.
Aqua PL-413	(2374)
HWS-112	(1826)
HSO-118 [eco]	(7708)
Smoothing spatula	(4788)

Aqua MSV-403 Parquet Primer

Special primer for parquet and wooden floors to reduce glue running into joints

Range of use	■ Interior wood ■ Industrial parquet ■ Board floorings ■ Parquet without shear resistance ■ Wood block flooring ■ Heated floors
Properties	■ Minimises gluing of sides ■ Reduces the risk of joints tearing apart ■ Good sanding properties
Application	■ Roller. ■ Microfibre sealant roller approx. 8 - 12 mm pile height ■ Apply intermediate and final coats of suitable products after drying ■ When allowed to dry overnight, intermediate sanding is required
Application rate	■ 100 - 120 ml/m² per coat
Overcoating	■ Overcoating: after approx. 1 - 2 hours

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

System products	Art. no.
Aqua FKL-402	(2368)
Aqua PL-413	(2374)
Aqua V-490	(1939)
ULM-822	(3824)

Aqua PL-413 Parquet Varnish

Clear 1K sealing varnish for roller application

Range of use	■ Interior wood ■ For heavily used wood substrates in living areas ■ Living areas (e.g. parquet, stair steps, floorboards) ■ OSB & cork floors
Properties	■ Resistant to abrasion and scratches ■ Excellent emphasis of the grain ■ Very good resistance to water ■ Good flow properties on horizontal surfaces ■ 2K ready: improve the resistance to chemicals, hand cream, scratches and abrasion by adding 2% Aqua VGA-485
Certificates/test standards	■ DIN EN 71-3 "Migration of certain elements" ■ Approval as surface coating system for parquet and wood flooring
Application	■ Apply using a brush or roller ■ Microfibre sealant roller approx. 8-12 mm pile height, acrylic paintbrush
Application rate	■ 100 - 120 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 1 hour ■ Overcoating: after approx. 4 hours ■ Full loading capacity: after approx. 7 days

Quantity per pallet		**90**	**60**
Packaging unit		5 l	10 l
		Plastic canister	Plastic canister
Container code		05	10
Art. no.			
20 matt			
clear	2376	■	■
30 semi-matt			
clear	2375	■	■
50 silk gloss			
clear	2374	■	■

System products	Art. no.
Aqua VGA-485	(3256)
Aqua FKL-402	(2368)
Aqua MSV-403	(2369)
SM-820	(1942)
Aqua DL-65	(7200)
Microfibre roller pile height 8 mm	(4007)

Water-based pigment fillers & colour varnishes

All opaque water-based intermediate and finishing coatings from Remmers boast high opacity, fast drying times and excellent sanding properties. This allows complete coating systems – usually consisting of a filler and colour varnish – to be applied in just one day. Upon request, complete coating systems can be applied even faster with our 4in1 varnishes.

The customer benefits in detail:

- ✓ High-performance 1K fillers and colour varnishes
- ✓ No hardener, no thinner, no pot life and no waste
- ✓ Good covering power
- ✓ Eco-friendly & quick-drying
- ✓ 2K Aqua varnishes for heavy-duty applications

Recommended products

Pigment fillers

Aqua PF-430 Pigment Filler [iac]
Very easy to sand 1K pigment filler with indoor air cleaning effect – with Aqua VGA-485 as sealing filler

Aqua IF-431-1K Sealing Filler
Pore-filling 1K filler with very good sealing power, for wood with high levels of active substances

Aqua 2IF-437-2K Sealing Filler
Highly pigmented 2K filler with very good sealing power

Colour varnishes

Aqua CL-440 Colour Opaque
Fire-resistant, lightfast, durable 1K colour varnish

Aqua CL-445 Colour Opaque 4in1
Multi-layer 1K colour varnish for use as sealer, filler, opaque varnish and topcoat

Aqua 2CL-442 Colour Opaque 4in1
Lightfast 2K colour varnish for highly durable coatings

Aqua PF-430 Pigment & Sealing Filler [iac]

Very easy to sand, fire resistant 1K pigment filler with indoor air cleaning effect – with Aqua VGA-485 as sealing filler

Range of use	■ Preparation of opaque pigmented coatings ■ Solid wood and wood-based materials ■ Furniture and interior fittings ■ Woods with high levels of active substances and damp rooms in combination with Aqua VGA-485 ■ Colour varnish for use in combination with clear coating (for components of secondary importance) ■ Promotes adhesion on glass-fibre reinforced plastics
Properties	■ Indoor air cleaning [iac]: long-lasting reduction of formaldehyde in indoor air ■ Single-component: simple and economical handling ■ Excellent filling, levelling and hiding power ■ Dries quickly and is very easy to sand ■ Low odour ■ Fire behaviour according to DIN EN 13501-1: B-s1, d0 on suitable substrates ■ Suitable for ship interior finishing (IMO) ■ Lightfast ■ 2K ready: Enhance the sealing effect by adding 2% Aqua VGA-485
Certificates/test standards	■ Declaration of conformity (Marine Equipment Directive) ■ VOC emissions test: formaldehyde reduction ■ Classification of fire behaviour according to DIN EN 13501-1 (B-s1, d0)
Application	■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar ■ Flow cup gun: Nozzle: 2.5 mm, atomiser air pressure: 2.0 - 3.0 bar
Application rate	■ 120 - 150 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 45 minutes ■ Overcoating: after approx. 2 hours ■ Stacking: after drying overnight ■ Finishing coat of PUR CL-24X: after drying overnight ■ Drying overnight improves the sealing effect

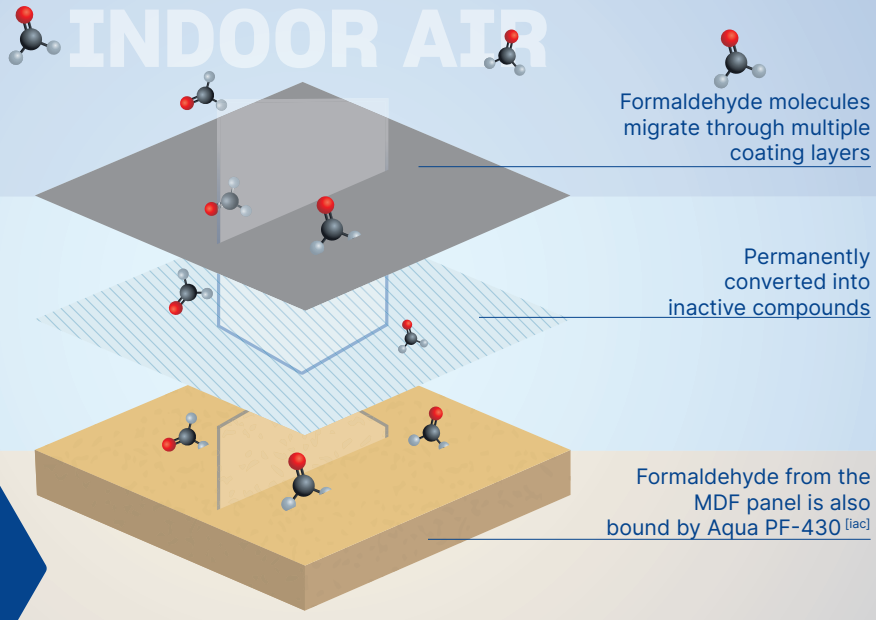
Quantity per pallet		**96**	**22**
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
white	3265	■	■
pure white (RAL 9010)	3269	■	■
special light colours*	3267	■	■
* on request			

System products	Art. no.
Aqua VGA-485	(3256)
Aqua CL-440	(3802)
Aqua CL-445	(3796)
Aqua TL-412	(2372)
Aqua HWS-712 [eco]	(5290)
PUR CL-24X colour varnishes	

Reduction of formaldehyde in indoor air

Formaldehyde is a harmful gas found in indoor air. It is emitted by materials such as wood-based products, textiles, carpets and disinfectants. Aqua PF-430 [iac] permanently reduces the formaldehyde content in the indoor air for a healthier living environment.

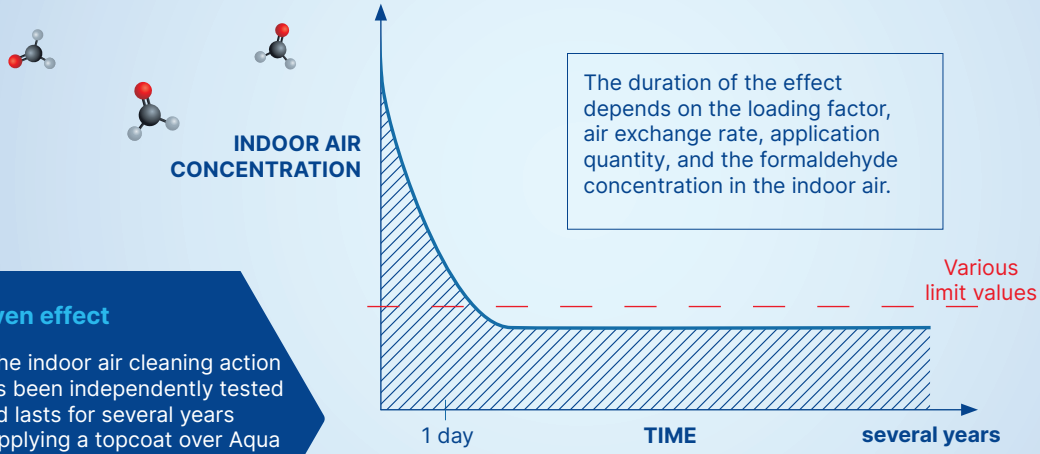
How Aqua PF-430 [iac] works



Aqua PF-430 [iac]

- ✓ Irreversibly binds formaldehyde from the indoor air and the wood-based panel
- ✓ Formaldehyde cannot be re-emitted into the air

Effect over time



Proven effect

- ✓ The indoor air cleaning action has been independently tested and lasts for several years
- ✓ Applying a topcoat over Aqua PF-430 (iac) does not reduce the effectiveness

Aqua IF-431-1K Sealing Filler

Pore-filling 1K filler with very good sealing power, for wood with high levels of active substances

Range of use	■ Preparation of opaque pigmented coatings ■ Solid wood & veneers ■ Wooden materials ■ Wood with high levels of active substances such as ash, hevea, oak, whitewood/yellow poplar ■ High-quality furniture ■ Wooden stairs ■ Damp interiors (kitchen and bathroom) ■ Interior finishing work: e.g. panels, borders, cladding & interior doors
Properties	■ Single-component: simple and economical handling ■ Very good sealing effect (moisture and water-soluble substances in wood) ■ Primer for coatings that emphasise pores ■ Good sanding properties ■ Low risk of sanding through ■ Can be coated with Aqua and PUR varnishes
Application	■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar ■ Flow cup gun: Nozzle: 2.0 - 2.5 mm, atomiser air pressure: 2.0 - 3.0 bar
Application rate	■ 120 - 150 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 1 hour ■ Overcoating: after approx. 4 hours ■ Leaving to dry overnight optimises the sealing effect (e.g. on Hevea)

Quantity per pallet		**96**	**22**
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
white	3217	■	■

System products	**Art. no.**
Aqua PF-430 [iac]	(3265)
Aqua CL-44X Colour Varnishes	

Aqua 2IF-437-2K Sealing Filler

Highly pigmented 2K filler with very good sealing power

Range of use	■ Wood and wood-based materials ■ High-quality living room furniture and interior furnishing ■ Exclusive interior fittings, kitchen & bathroom furniture ■ Preparation of opaque pigmented coatings ■ Wood with high levels of active substances such as ash, hevea, oak, whitewood/yellow poplar
Properties	■ Very good sealing effect (moisture and water-soluble substances in wood) ■ Good sanding properties ■ Low risk of sanding through ■ Very good flow properties
Application rate	■ 120 - 150 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 1 hour ■ Overcoating: after approx. 4 hours ■ Leaving to dry overnight optimises the sealing effect

Quantity per pallet		**96**	**22**
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
white	3216	■	■

System products	**Art. no.**
Aqua H-484	(5500)
Aqua 2CL-442	(5505)
Aqua CL-44X Colour Varnishes	

Aqua CL-440 Colour Opaque

Fire-resistant, lightfast, durable 1K colour varnish

Range of use	▪ Wood and wood-based materials ▪ High-quality furniture ▪ Interior finishing work: e.g. panels, borders, cladding & interior doors ▪ Ideally suited to surfaces pre-treated with Remmers Aqua fillers ▪ As a glass lacquer (in combination with Aqua VGA-485)
Properties	▪ Single-component: simple and economical handling ▪ Can also be used on vertical surfaces ▪ Good flow properties ▪ Good covering power ▪ Fast drying ▪ Can be stacked very rapidly ▪ Good resistance to chemicals ▪ Good resistance to a wide range of popular hand creams ▪ Fire behaviour acc. to DIN EN 13501-1: B-s1, d0 on suitable substrates ▪ Suitable for ship interior finishing (IMO) ▪ Lightfast ▪ 2K ready: Improvement of the resistance to chemicals and scratches, as well as adhesion to glass and primer films, by adding 2% Aqua VGA-485
Certificates/test standards	▪ DIN EN 71-3 "Migration of certain elements" ▪ Declaration of conformity (Marine Equipment Directive) ▪ Classification of fire behaviour according to DIN EN 13501-1 (B-s1,d0) ▪ DIN EN 71-9 "Organic chemical compounds - Requirements" ▪ DIN 68861-1B Chemical resistance with restrictions (excluded: colouring substances & solvents)
Application	▪ Roller or brush (diluted only) ▪ Flow cup gun: Nozzle: 2.0 - 2.5 mm, atomiser air pressure: 2.0 - 3.0 bar ▪ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ▪ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	▪ 120 - 150 ml/m² per coat
Overcoating	▪ Dust-dry: after approx. 1 hour ▪ Overcoating: after approx. 4 hours

Quantity per pallet		672	200	96	22
Packaging unit		0.75 l	2.5 l	5 l	20 l
		Tin bucket	Tin bucket	Tin bucket	Tin bucket
Container code		01	03	05	20
Art. no.					
20 matt					
white (RAL 9016)	3876	■	■	■	■
pure white (RAL 9010)	3877			■	■
Special colours	3878	■	■	■	■
Base C (pre-filling: 92%)	015093			■	■
30 semi-matt					
white (RAL 9016)	3802	■	■	■	■
pure white (RAL 9010)	3803			■	■
Special colours	3805	■	■	■	■
Base C (pre-filling: 92%)	015038	■	■	■	■

System products	Art. no.
Aqua VGA-485	(3256)
Aqua PF-430 [iac]	(3265)
Aqua SL-418	(5310)
Aqua TL-412	(2372)
SM-820	(1942)

Aqua CL-445 Colour Opaque 4in1

Multi-layer 1K colour varnish for use as sealer, filler, colour coating & topcoat

Range of use	▪ Interior wood ▪ Solid wood and wood-based materials ▪ Interior finishing work: e.g. panels, borders, cladding & interior doors ▪ High-quality furniture
Properties	▪ Single-component: simple and economical handling ▪ Functions: sealing layer, filler, coloured coating and topcoat ▪ Good flow properties ▪ Fast drying ▪ Good covering power ▪ Resistant to metal rings ▪ Good resistance to chemicals ▪ Good resistance to a wide range of popular hand creams ▪ Lightfast ▪ Fire behaviour according to DIN EN 13501-1: C-s1,d0 on suitable substrates ▪ 2K ready: Improvement of the resistance to chemicals and scratches, as well as adhesion to glass, by adding 2% Aqua VGA-485
Certificates/test standards	▪ DIN EN 71-3 "Migration of certain elements" ▪ Classification of fire behaviour according to DIN EN 13501-1 (C-s1, d0)
Application	▪ Flow cup gun: Nozzle: 2.0 - 2.5 mm, atomiser air pressure: 2.0 - 3.0 bar ▪ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar ▪ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar
Application rate	▪ 150 - 200 ml/m² per coat, min. 2 coats
Overcoating	▪ Dust-dry: after approx. 1 hour ▪ Overcoating: after approx. 3 - 4 hours

Quantity per pallet		**672**	**200**	**96**	**22**
Packaging unit		0.75 l	2.5 l	5 l	20 l
		Tin bucket	Tin bucket	Tin bucket	Tin bucket
Container code		01	03	05	20
Art. no.					
10 dull matt					
white (RAL 9016)	3146	■	■	■	■
pure white (RAL 9010)	3147			■	■
Special colours	3148	■	■	■	■
30 semi-matt					
white (RAL 9016)	3796	■	■	■	■
pure white (RAL 9010)	3797			■	■
Special colours	3798	■	■	■	■

System products	Art. no.
Aqua VGA-485	(3256)
Aqua TL-412	(2372)
Aqua PF-430 [iac]	(3265)
Aqua HWS-712	(5290)
Aqua V-490	(1939)

Aqua 2CL-442-2K Colour Opaque

Lightfast 2K colour varnish for highly durable coatings

Range of use	▪ Wood and wood-based materials ▪ High-quality living room furniture and interior furnishing ▪ Exclusive interior fittings, kitchen & bathroom furniture ▪ Ideally suited to surfaces that have been pre-treated with Remmers Aqua fillers
Properties	▪ Can also be used on vertical surfaces ▪ Good flow properties ▪ Good covering power ▪ Resistant to metal rings ▪ Excellent resistance to chemicals ▪ Good resistance to a wide range of popular hand creams ▪ Lightfast ▪ Does not become glossy
Certificates/test standards	▪ DIN 68861-1B Chemical resistance with restrictions (minor restrictions for colouring substances)
Preparation	▪ 10:1 with Aqua H-484 by volume (10:1 by weight) ▪ Add hardener while stirring and homogenise the mixture for at least 2 minutes using the Remmers Patent Disperser ▪ If necessary, dilute the varnish/hardener mixture with max. 10% water ▪ Working time max. 4 hours under gravity; this may be lower at high temperatures. ▪ When applying with a pressure atomiser, e.g. airmix/airless spraying, the processing time is reduced to max. 30 minutes. During breaks in work, set the material supply to unpressurised and remove loads from pumps and spray guns
Application	▪ Flow cup gun: Nozzle: 2.0 - 2.5 mm, atomiser air pressure: 2.0 - 3.0 bar ▪ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ▪ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	▪ 120 - 150 ml/m² per coat
Overcoating	▪ Dust-dry: after approx. 1 hour ▪ Overcoating: after approx. 4 hours

Quantity per pallet		**672**	**96**	**22**
Packaging unit		0.75 l	5 l	20 l
		Tin bucket	Tin bucket	Tin bucket
Container code		01	05	20
Art. no.				
10 dull matt				
white (RAL 9016)	5505	■	■	■
pure white (RAL 9010)	5506		■	■
Special colours	5507	■	■	■
Base C (pre-filling: 92%)	015243	■	■	■

System products	**Art. no.**
Aqua H-484	(5500)
Aqua 2SL-452	(5501)
Aqua 2IF-437	(3216)
Aqua V-490	(1939)
Aqua 2HL-411/90	(3872)

Hardeners, thinners and additives for water-based varnishes

In most cases, our Aqua varnishes can be used without a hardener component. However, many of our high-performance 1K Aqua varnishes can be enhanced with the cross-linking agent and glass lacquer additive VGA-485 - and still with no pot life. The water-based 2K varnishes for premium applications, such as exclusive interior fittings and furniture, have to be used with the hardener component Aqua H-484. Also available are various cleaning agents, as well as aids and additives for improving the adhesion on non-wood substrates.

The customer benefits in detail:

- ✓ Production of coatings for metals and glass
- ✓ Production of textured coatings
- ✓ Efficient cleaning of tools

Recommended products

Hardeners/cross-linking agents

Aqua H-484 Hardener

Lightfast isocyanate for hardening Aqua coatings

Aqua VGA-485 Crosslinker & Glass Lacquer Additive

Improves the resistance and adhesion to glass of 1K varnishes

Thinners/tool cleaning agents

Aqua V-490 Retarder

Retarder for improving flow properties

Aqua RK-898 Cleaning Concentrate

Highly effective cleaning product for tools and equipment

UN-894 Converter

Retooling spraying equipment: solvent-based to water-based varnishes and vice versa

Admixtures and additives

UMA-824 Universal Metal Adhesion Additive

Improves the adhesion to metal of selected varnishes

SM-820 Texturing Additive

Additive for the production of textured coatings

Aqua MM-825 Matting Agent

Matting paste for water-based coating materials

ULM-822 Universal Light Stabiliser

Protects light wood against UV radiation

Aqua H-484 Hardener

Lightfast isocyanate for hardening Aqua coatings

Range of use	■ For 2K Aqua varnishes
Properties	■ Lightfast ■ Easy to mix with the Remmers Patent Disperser ■ Diisocyanate content <0.1% by weight: no training required according to EU 2020/1149 ■ Slow, slight increase in viscosity of the prepared mixtures
Application rate	■ Add to varnish in the specified mixing ratio

Quantity per pallet			
Packaging unit		0.5 l	2 l
		Tin canister	Tin canister
Container code		84	02
Art. no.			
	5500	■	■

System products	Art. no.
Aqua 2HL-411/90	(3872)
Aqua 2SL-452	(5501)
Aqua 2CL-442	(5505)
Aqua 2IF-437	(3216)

Aqua VGA-485 Crosslinker & Glass Lacquer Additive

Improves the resistance and adhesion to glass of selected 1K Aqua varnishes

Range of use	▪ Preparation of glass lacquers ▪ Coloured designs on the rear face of glass surfaces ▪ Improving the resistance of the lacquer ▪ Furniture building and shop fitting ▪ In selected single-component Aqua lacquers
Properties	▪ 2K ready: Improves the resistance to chemicals, scratches and abrasion of selected 1K varnishes ▪ Significant improvement in the adhesion of the coating to glass ▪ Isocyanate-free ▪ Easy to use ▪ No pot life (the coating returns to its 1K properties after 8 hours)
Application	▪ 2% in the ready-to-use varnish ▪ The mixture is active for 8 hours

Quantity per pallet		**880**
Packaging unit		0.5 l
		Tin bucket
Container code		84
Art. no.		
	3256	■

System products	Art. No.
Aqua SL-418	(5310)
Aqua NEL 419/05	(5309)
Aqua TL-412	(2372)
Aqua NTL-420/05	(3221)
Aqua PF-430 [iac]	(3265)
Aqua CL-440	(3802)
Aqua CL-445	(3796)

Aqua V-490 Retarder

Retarder for improving flow properties

Range of use	■ Application of 1K Aqua lacquers by brush, roller and spraying ■ Application of two-component lacquers by spraying ■ At low humidity: Flow optimisation for Aqua varnishes ■ On absorbent wood: adjusting Aqua stains
Properties	■ Allows for a longer open time (Aqua varnishes or stains)
Application	■ Mix the product with water in a ratio of 1:1 and add to the varnish while stirring
Application rate	■ 5-10% for Aqua stains 1-3% for Remmers Aqua varnishes

Quantity per pallet		**432**
Packaging unit		0.75 l
		Tin canister
Container code		01
Art. no.		
	1939	■

System products	Art. no.
Aqua KB-004	(3840)
Aqua TL-412	(2372)
Aqua 2SL-452	(5501)
Aqua 2HL-411/90	(3872)
Aqua CL-440	(3802)

Aqua RK-898 Cleaning Concentrate

Highly effective cleaning product for tools and equipment

Range of use	▪ Cleaning tools ▪ Spraying equipment, overhead conveyors, transport conveyors in spraying machines etc.
Properties	▪ High-yielding concentrate ▪ Removes freshly splashed Aqua varnishes quickly and easily ▪ Does not attack the surfaces of anodised components (e.g. flow cup guns)
Certificates/test standards	▪ Data sheet for product constituents
Application	▪ Set up trial areas to determine action time and application rate ▪ A longer action time of the cleaning agent can lead to damage ▪ After every cleaning operation, rinse the treated surfaces/tools with clear water and dry
Application rate	▪ Depending on needs and level of contamination: 10% solution in water for normal contamination 20% solution in water for heavy contamination Undiluted for stubborn contamination

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

UN-894 Converter

Spraying equipment cleaner for changing from solvent-based to water-based coating systems and vice versa

Range of use	■ Cleaning spraying equipment ■ Cleaning solvent-resistant surfaces (e.g. glass) ■ Degreasing surfaces ■ For thorough cleaning of wooden floors
Properties	■ Good cleaning action ■ Compatible with water-based and solvent-based products
Application	■ Changing from solvent-based to water-based varnishes: Clean coating equipment, including filter inserts, with WV-891 or V-890. Then thoroughly rinse with UN-894 and then with water ■ Changing from water-based to solvent-based varnishes: Clean coating equipment, including filter inserts, with water and with an Aqua RK-898 solution if necessary. Then thoroughly rinse with UN-894 and then with WV-891 or V-890 ■ Can be left in unused spraying equipment

Quantity per pallet		**96**
Packaging unit		5 l
		Tin canister
Container code		05
Art. no.		
	1947	■

UMA-824 Universal Metal Adhesion Promoter

Additive for improving the adhesion of selected coatings on selected metals and primer for MultiSil

Range of use	■ In solvent-based & water-based coatings ■ Aluminium, stainless steel, galvanised steel, black steel ■ Other substrates require prior inspection ■ Primer for MultiSil on non-absorbent substrates
Properties	■ Significant improvement of the adhesion on selected substrates
Preparation	■ Add 10% to the ready-to-use varnish ■ Processing time for PUR varnishes is reduced by approx. 50%
Application	■ When applying water-based varnishes to non-stainless steels, rust spots may appear on the coating

Quantity per pallet		**880**
Packaging unit		0.5 l
		Plastic canister
Container code		84
Art. no.		
	3249	■

System products	Art. No.
MultiSil	(7380)
PUR SL-212	(1970)
Aqua TL-412	(2372)
Aqua PF-430	(3265)
PUR IF-235	(3218)
Aqua CL-440	(3802)
PUR CL-2XX colour varnishes	

SM-820 Texturing Additive

Additive for the production of textured coatings

Range of use	■ For the production of textured coatings ■ PUR and Aqua coatings ■ For use in glass coatings ■ Improves anti-slip properties on floors
Properties	■ Creates a coarse feel ■ Improves resistance ■ Ensures a matt look ■ Can be used on floors and stairs to improve slip resistance
Application	■ Use the enclosed mixing container for precise dispensing ■ Mix in with Patent Disperser, stirring continuously ■ Adjust the coating material to achieve a workable viscosity if necessary
Application rate	■ Approx. 100 ml (40 g) per litre of ready-to-use varnish

Quantity per pallet		**200**
Packaging unit		0.5 kg Plastic bucket
Container code		01
Art. no.		
SM-820/S Texturing Additive fine	1942	■
SM-820/M Texturing Additive medium	1943	■
SM-820/L Texturing Additive coarse	1944	■

System products	Art. no.
Aqua TL-412	(2372)
Aqua PL-413	(2374)
Aqua CL-44X Colour Varnishes	
Aqua SL-41X finishes	

Aqua MM-825 Matting Agent

Matting paste for water-based coating materials

Range of use	▪ Matting paste for reducing the degree of gloss ▪ Not suitable for matt coating systems
Properties	▪ Reduces the degree of gloss of water-based coating materials ▪ Variable reduction in degree of gloss possible
Preparation	▪ Add max. 4% ▪ Mix in with Patent Disperser, stirring continuously ▪ Avoid adding dried product residue from opened containers ▪ The more matt the base material, the lower the matting effect

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

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

ULM-822 Universal Light Stabiliser

Optimum protection of wood against premature optical changes due to UV radiation

Range of use	■ Especially suited to light and light-stained woods: oak, maple, ash, birch, spruce, pine ■ Can be used with all transparent Aqua and PUR varnishes ■ Can be used in base coats and topcoats
Properties	■ Effective protection thanks to broad-spectrum UV absorption by the selected absorbers

Quantity per pallet		**432**
Packaging unit		1 l
		Tin canister
Container code		01
Art. no.		
	3824	■

System products	Art. No.
Aqua SL-418	(5310)
Aqua NEL-419/05	(5309)
Aqua TL-412	(2372)
Aqua NTL-420/05	(3221)
Aqua 2SL-452	(5501)

Get it done the right way

To achieve the best possible result, please take note of the following tips for water-based vanishes

Range of use

- ✓ Universal use for furniture and fixed components according to the Decopaint directive
- ✓ Furniture and interior fittings
- ✓ Stairs and parquet
- ✓ Wall cladding and constructions
- ✓ Suitable for sustainable building / building certifications

Properties

- ✓ Contemporary surfaces in all gloss levels
- ✓ Highly durable
- ✓ No odour
- ✓ Easy to use
- ✓ Single component for many applications
- ✓ 2K products for premium applications
- ✓ Cost effective - high solids content, no dilution, low excess material, easy disposal

Preparation

- ✓ High-quality materials required
- ✓ MDF boards: compacted middle layer and apparent density > 700 kg/m³
- ✓ Brush out wood with large pores, water if necessary
- ✓ Graded, fine intermediate sanding of bare wood and varnish, then remove dust
- ✓ Wood moisture content 8-12%, relative humidity 45-65%
- ✓ Recommended temperature of the substrate, material and air approx. 18 to 25 °C
- ✓ Prepare a test sample

Application/tips on use

- ✓ If possible, set up the sanding, varnishing and drying zones in separate areas
- ✓ Recommended temperatures:
  - Varnishing zone 18-20°C / 50% RH, avoid drafts and direct sunlight
  - Resting zone 18-20°C / 65% RH, (10-15 minutes), avoid drafts and direct sunlight
  - Drying zone 20-30°C / 45% RH, min. 2x air exchange per hour recommended, forced drying (e.g. IR drying) possible
- ✓ Surfaces freshly coated with Aqua varnish may be cloudy; this will dry transparent
- ✓ Dried-on varnish residue will not dissolve in the varnish, so a suitable sieve or filter must be used when filling the varnish application device.
- ✓ Use suitable stainless tools
- ✓ Prime absorbent and open-pored substrates with diluted material for optimum wetting

Application rate

- ✓ Use the application rates specified in the Technical Data Sheet in order to avoid delays in drying and surface defects
- ✓ With multi-layer systems, use the lower application rate value for the primer and the upper value for the topcoat
- ✓ It is recommended to use a measuring comb in a concealed area to check the layer thickness, or to use the weighing method, for quality assurance purposes

Tools/cleaning/disposal

- ✓ Use corrosion-proof, stainless steel tools for varnishing and handling material.
- ✓ Use suitable nozzle sizes, atomiser air caps and material handling systems according to the instructions in the Technical Data Sheet and the manufacturer's data sheets
- ✓ Use technically clean compressed air
- ✓ Equipment that is used alternately with solvent-based varnishes must be rinsed carefully and rinsed with UN-894 for the system change
- ✓ Use Aqua RK-898 Cleaning Concentrate for thorough cleaning
- ✓ Collect varnish residues and water used for washing using a suitable coagulant and dispose of according to the manufacturer's instructions
- ✓ Dried varnish residues are classified as commercial waste

Personal protective equipment

- ✓ Wear safety glasses, safety gloves and safety boots
- ✓ A2/P2 respiratory mask required, extended period of use (breakthrough time) compared to solvents
- ✓ Use extraction, always apply varnish in the direction of the extraction

Safety/regulations

- ✓ External test certificates and sustainability data sheets are available as extra literature for the product range (emission properties, ingredients etc.)

Storage/shelf life

- ✓ The temperature must not fall below 5 °C during storage and transport
- ✓ Observe the shelf life information on the container label
- ✓ Use up the contents of opened containers quickly
- ✓ Bacteria contamination due to contact with rinsing water or tools significantly reduces the shelf life of opened containers

Preservation/maintenance

- ✓ Damp-clean with soapy water, avoid leaving residues
- ✓ Lint-free soft cleaning cloths, do not use microfibre
- ✓ Repair damage immediately
- ✓ Do not use furniture care products containing silicone or wax; check compatibility in a concealed area before use

Photo in cooperation with Imbusch

Combination options

Aqua varnishes with hardeners, thinners and additives

	Hardeners / Thinners		Additives / Effects				
Varnishes	Aqua H-484 Hardener	Aqua V-490 Retarder	Aqua VGA-485 Crosslinker & Glass Lacq. Add.	SM-820 Texturing Additive	UMA-824 Universal Metal Adhesion Additive	Aqua MM-825 Matting Agent	ULM-822 Universal Light Stabiliser
Aqua MSV-403 Parquet Primer		■					
Aqua SL-418 Finish		■	■	■		■	■
Aqua NEL-419/05 Natural Effect Varnish			■				■
Aqua 2SL-452 2K Finish	■						■
Aqua 2HL-411/90 2K High Gloss Varnish	■	■					■
Aqua TL-412 Stair Varnish		■	■	■	■	■	■
Aqua NTL-420/05 Natural Stair Varnish		■					■
Aqua PL-413 Parquet Varnish	■	■	■	■			■
Aqua PF-430 [iac] Pigment Filler		■	■		■		
Aqua CL-440 Colour Opaque		■	■	■	■	■	
Aqua CL-445 Colour Opaque 4in1		■	■				
Aqua 2CL-442/10 Colour Opaque	■	■					

Add Aqua VGA-485 for further optimisation of selected varnish properties

	Resistant to					Wet adhesion on		Sealing effect
	Chemi-cals	Hand creams	Disinfectants	Abrasion	Scratches	Glass	Primer films	Moisture & substances
Aqua PF-430 [iac]								■
Aqua CL-440	■				■	■	■	
Aqua CL-445 4in1	■				■	■		
Aqua PL-413	■	■		■	■			
Aqua SL-418	■		■	■	■	■		
Aqua NEL-419/05	■		■	■	■	■		
Aqua TL-412	■			■	■	■		
Aqua NTL-420/05	■			■	■	■		
Aqua HWS-712 [eco]	■	■		■	■			

Transparent coating systems

Water-based coating systems

Range of use	System structure	Property profile/advantages
Finish with emphasised pores: all areas, all wood types	▪ If needed: Aqua KB-004 / PB-006 (for colour finishes) ▪ Aqua SL-418* ▪ Aqua SL-418* * Optional: +Aqua VGA-485 for an additional durability boost (tabletops etc.)	▪ Resistant to daily use thanks to durable surfaces ▪ Handling, appearance, feel of a solvent-based varnish ▪ Directly on oak without green discolouration ▪ Also for ship interior finishing (IMO) and public areas (fire resistant)
Premium finish that emphases pores: all areas including kitchens & bathrooms, all wood types	▪ If needed: Aqua KB-004 / PB-006 (for colour finishes) ▪ Aqua 2SL-452 + Aqua H-484 ▪ Aqua 2SL-452 + Aqua H-484	▪ Resistant to daily use thanks to highly durable surfaces ▪ Directly on oak without green discolouration
Natural effect varnish with emphasised pores: all areas, light wood	▪ Aqua NEL-419/05* ▪ Aqua NEL-419/05* * Optional: +Aqua VGA-485 for an additional durability boost (tabletops etc.)	▪ For coatings that are imperceptible visually and to the touch ▪ Resistant to daily use thanks to durable surfaces ▪ Also for ship interior finishing (IMO) and public areas (fire resistant)
Pore-filling varnish: stairs and other interior components, all wood types	▪ If needed: Aqua KB-004 / PB-006 (for colour finishes) ▪ Aqua TL-412* ▪ Aqua TL-412* * Optional: +Aqua VGA-485 for an additional durability boost (project work etc.)	▪ Economical application on suspended surfaces in just two steps ▪ Slip-resistant surfaces “R10” with SM-820 ▪ Also for ship interior finishing (IMO) and public areas (fire resistant) ▪ For stair coatings with no creaking
Pore-filling, cloth matt natural effect varnish: stairs and other interior components, light wood	▪ Aqua NTL-420/05* ▪ Aqua NTL-420/05* * Optional: +Aqua VGA-485 for an additional durability boost (project work & glass lacquer)	▪ Economical application on suspended surfaces in just two steps ▪ Slip-resistant surfaces “R10” and no creaking
Transparent seal coat: wooden flooring, parquet & built-in steps	▪ If needed: Aqua FKL-402 ▪ If needed: Aqua MSV-403 ▪ Aqua PL-413* ▪ Aqua PL-413* ▪ Aqua PL-413* * Optional: +Aqua VGA-485 for an additional durability boost (e.g. project work)	▪ Optimised for roller application with excellent flow properties ▪ Compact, durable 1K system for virtually all wooden floors/stairs ▪ Very good resistance to water
Semi-transparent glass varnish: glass in interiors, kitchens and bathrooms	▪ Cleaning: UN-894 ▪ Aqua SL-418 + Aqua VGA-485 + SM-820 for special effects	▪ No duplicate purchasing and storage ▪ Durable glass varnish with available wood varnishes/components ▪ SM-820 can be used to create various effects & anti-fingerprint effect ▪ Excellent adhesion with Aqua VGA-485

Opaque coating systems

Water-based coating systems

Range of use	System structure	Property profile/advantages
Opaque colour coating: interior MDF	■ Aqua PF-430 [iac] ■ Aqua CL-440* ■ If needed: Aqua SL-418 / TL-412* (for resistance to metal rings) * Optional: +Aqua VGA-485 for an additional durability boost	■ Efficient: high covering power, fast drying, very easy to sand ■ Indoor air cleaning: creates healthier living environments by trapping formaldehyde ■ Also for ship interior finishing (IMO) and public areas (fire resistant)
Opaque coating: MDF in kitchens and bathrooms	■ Aqua PF-430 [iac] +Aqua VGA-485 ■ Aqua CL-440 +Aqua VGA-485 ■ Aqua SL-418 +Aqua VGA-485 (for resistance to metal rings)	■ Very good sealing effect: prevents swelling & yellowing ■ Efficient: high covering power, fast drying, very easy to sand ■ Indoor air cleaning: creates healthier living environments by trapping formaldehyde ■ Also for ship interior finishing (IMO) and public areas (fire resistant)
Opaque 4in1 colour coating: interior MDF	■ Aqua CL-445 4in1* ■ Aqua CL-445 4in1* * Optional: +Aqua VGA-485 for an additional durability boost	■ Sealing, filler, colour varnish and topcoat in a single product ■ High covering power and build, excellent adhesion and resistance to metal rings ■ Easy to store, more efficient surface preparation
Premium opaque colour finish: bare MDF, all areas including kitchen and bathroom	■ Aqua 2IF-437 + Aqua H-484 ■ Aqua 2CL-442/10 + Aqua H-484	■ Excellent flow properties for visually and haptically flawless surfaces ■ Reliable sealing effect ■ For durable surfaces with resistance to metal rings without a topcoat
Premium opaque colour finish: MDF with primer film, all areas including kitchen and bathroom	■ Aqua 2CL-442/10 + Aqua H-484 ■ Aqua 2CL-442/10 + Aqua H-484 optional topcoat: Aqua 2SL-452 + Aqua H-484	■ Excellent flow properties for visually and haptically flawless surfaces ■ Efficient coating ■ For durable surfaces with resistance to metal rings without a topcoat
Opaque colour finish with emphasis of pores: all interior finishing work, fine- and coarse-pored wood	■ Aqua CL-445 4in1* ■ Aqua CL-445 4in1* * Optional: +Aqua VGA-485 for an additional durability boost	■ Optimal sealing effect ■ Good flow properties: optimum pore emphasis/wetting ■ For durable surfaces with resistance to metal rings without a topcoat
Opaque colour coating: stairs, all wood types	■ Aqua HWS-712 [eco] ■ Aqua PF-430 [iac] + Aqua VGA-485 ■ Aqua CL-445 4in1* ■ Topcoat for stairs and handrails: Aqua TL-412* * Optional: +Aqua VGA-485 for an additional durability boost	■ Very good sealing effect: Prevents swelling & yellowing also on hevea and other problematic wood types ■ Economical coating on suspended surfaces (stability & defoaming) ■ Indoor air cleaning: creates healthier living environments by trapping formaldehyde
Opaque rear glass colour finish: interior glass, kitchens and bathrooms	■ Cleaning: UN-894 ■ Aqua CL-440/CL-445 4in1 + Aqua VGA-485	■ No duplicate purchasing and storage ■ Durable glass varnish with available wood varnishes/components ■ Highly opaque thanks to excellent covering power ■ Excellent wet adhesion with Aqua VGA-485

Solvent-based transparent primers, finishes and topcoats

The furniture coatings in this category feature exceptional application properties and can be used to achieve uncompromisingly durable surfaces – e.g. for kitchen and bathroom furniture. From invisible, natural effect varnishes to high-gloss finishes, anything is possible. To keep things simple, most of the products are compatible with the hardening component PUR H-280.

The customer benefits in detail:

- ✓ Lightfast, clear 2K varnishes for maximum resistance
- ✓ High gloss varnishes with very high build
- ✓ Cloth and dull matt natural effect finishes
- ✓ Virtually all varnishes are compatible with the same hardener

Recommended products

Primers

PUR FG-201 Filling Primer

Lightfast 2K filling primer for semi-closed to closed-pore lacquering systems

Finishes

PUR SL-210 Finish

Flame-resistant 2K finish especially for use in public buildings

PUR SL-212 Finish

High-build, highly scratch-resistant 2K finish

PUR RHE-217 Bare Wood Effect Varnish

2K finish for natural wood effects on light and dark wood

PUR BML-215 Brilliant Matt Varnish

Very matt 2K PUR varnish with integrated anti-fingerprint effect even on dark substrates

Topcoats

PUR HL-211/90 High Gloss Finish

Lightfast 2K topcoat for flame-resistant high-gloss coatings

PUR FG-201 Filling Primer

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

Range of use	■ Solid wood & veneers ■ Bleached wood ■ Wooden materials ■ High-quality furniture ■ Kitchen & bathroom furniture
Properties	■ Very fast drying ■ Good sanding properties ■ Good surface-filling properties ■ Lightfast ■ Free of aromatic compounds ■ Fire behaviour according to DIN EN 13501-1: C-s2,d0 on suitable substrates ■ Suitable for ship interior finishing (IMO)
Certificates/test standards	■ Classification of fire behaviour according to DIN EN 13501-1 (C-s2, d0) ■ Declaration of conformity (Marine Equipment Directive)
Preparation	■ 10:1 with PUR H-280 by volume (100:10 by weight) ■ Working time max. 8 hours; this may be lower at high temperatures
Application	■ Flow cup gun: Nozzle: 1.8 - 2.0 mm; atomiser air pressure: 2 - 3 bar ■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	■ 80 - 120 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 15 minutes ■ Overcoating: after approx. 1.5 hours

Quantity per pallet		**60**	**22**
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
clear	1950	■	■

System products	Art. no.
PUR H-280	(1975)
PUR HL-211/90	(1961)
PUR BML-215	(1941)
PUR SL-21X finishes	
V-89X thinners	

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PUR SL-210 Finish

Flame-resistant 2K finish especially for use in public buildings

Range of use	■ Primer & topcoat ■ Hospitals and medical practices ■ Schools, nurseries and care facilities ■ High-quality furniture ■ Kitchen & bathroom furniture ■ Ship interior finishing ■ Shopfitting and trade fair stands ■ Solid wood & veneers ■ Topcoat on coloured varnishes (resistance to metal rings, gloss level)
Properties	■ Fast drying ■ Good sanding properties ■ Good flow properties ■ Excellent resistance to chemicals ■ Lightfast ■ Fire behaviour according to DIN EN 13501-1: C-s2,d0 on suitable substrates ■ Suitable for ship interior finishing (IMO) ■ Free of aromatic compounds ■ Non-cytotoxic (not damaging to cells)
Certificates/test standards	■ DIN EN 71-3 "Migration of certain elements" ■ Classification of fire behaviour according to DIN EN 13501-1 (C-s2, d0) ■ Declaration of conformity (Marine Equipment Directive) ■ Test for cytotoxicity (ISO 10993-5, ISO 10993-12) ■ DIN 68861-1B Resistance to chemicals
Preparation	■ 10:1 with PUR H-280 by volume (100:10 by weight) ■ Working time max. 8 hours; this may be lower at high temperatures
Application	■ Flow cup gun: Nozzle: 1.8 - 2.0 mm; atomiser air pressure: 2 - 3 bar ■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	■ 80 - 120 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 20-30 minutes ■ Overcoating: after approx. 2 hours ■ Stacking: after drying overnight

Quantity per pallet		**60**	**22**
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
05 cloth matt			
clear cloth matt	2005	■	■
10 dull matt			
clear dull matt	2006	■	■
20 matt			
clear matt	2007	■	■
30 semi-matt			
clear semi-matt	2008	■	■

System products	**Art. No.**
PUR H-280	(1975)
PUR GLA-820	(1946)
SM-820	(1942)
Remmers PUR Opaque Colour Varnishes	
V-89X thinners	

CERTIFIED SAFE EN 71-3

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PUR SL-212 Finish

High-build, highly scratch-resistant 2K finish

Range of use	■ Primer & topcoat ■ Solid wood & veneers ■ High-quality furniture ■ Kitchen & bathroom furniture ■ Tables and worktops ■ Topcoat on coloured varnishes (resistance to metal rings, gloss level)
Properties	■ Fast drying ■ Good sanding properties ■ Good flow properties ■ Excellent resistance to chemicals ■ Lightfast ■ Good stability (coating on suspended surfaces) ■ High filling power ■ Excellent scratch resistance ■ High abrasion resistance
Certificates/test standards	■ DIN EN 71-3 "Migration of certain elements" ■ DIN 68861-1B Resistance to chemicals
Preparation	■ 10:1 with PUR H-280 by volume (100:10 by weight) ■ Working time max. 8 hours; this may be lower at high temperatures ■ **To increase mechanical resistance:** Topcoat in mixing ratio 5:1 with PUR H-280 by volume (100:21 by weight) ■ Please note: Increases the gloss level by 5-10 gloss units and halves the working time
Application	■ Flow cup gun: Nozzle: 1.8 - 2.0 mm; atomiser air pressure: 2 - 3 bar ■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	■ 80 - 120 ml/m² per coat
Overcoating	■ Mixing ratio 10:1 with PUR H-280: Dust-dry: after approx. 30 - 40 minutes Overcoating: after approx. 2 hours Stacking: after drying overnight ■ Mixing ratio 5:1 with PUR H-280: Dust-dry: after approx. 60 minutes Overcoating: after approx. 5 hours Stacking: after drying overnight

Quantity per pallet		**60**	**22**
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
20 matt			
clear matt	1972	■	■
30 semi-matt			
clear semi-matt	1971	■	■
50 silk gloss			
clear silk gloss	1970	■	

System products	Art. no.
PUR H-280	(1975)
SM-820	(1942)
PUR GLA-820	(1946)
Remmers PUR Opaque Colour Varnishes	
V-89X thinners	
Aqua stains	

PUR RHE-217 Bare Wood Effect Varnish

2K finish for natural wood effects on light and dark wood

Range of use	▪ Primer & topcoat ▪ Solid wood & veneers ▪ High-quality furniture ▪ Kitchen & bathroom furniture ▪ Bleached wood ▪ Wood for which emphasis of the grain is not desired
Properties	▪ Fast drying ▪ Very good sanding properties ▪ Good resistance to chemicals ▪ Lightfast ▪ No emphasis of the grain on the substrate
Certificates/test standards	▪ DIN 68861, 1B Resistance to chemicals
Preparation	▪ 10:1 with PUR H-280 by volume (100:10 by weight) ▪ Add the hardener while stirring and homogenise the mixture ▪ Working time max. 8 hours; this may be lower at high temperatures ▪ Old mixtures of varnish and hardener are less effective
Application	▪ Flow cup gun: Nozzle: 1.8 - 2.0 mm; atomiser air pressure: 2 - 3 bar ▪ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ▪ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	▪ 80 - 120 ml/m² per coat
Overcoating	▪ Dust-dry: after approx. 15 minutes ▪ Overcoating: after approx. 1.5 hours (the best bare wood effect is achieved after drying overnight)

Quantity per pallet		**60**	**22**
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
clear	1957	■	■

System products	**Art. No.**
PUR H-280	(1975)
V-890	(1955)
V-899	(5143)
ULM-822	(3824)
PUR BML-215	(1941)
Aqua stains	

PUR BML-215 Brilliant Matt Varnish

Very matt 2K PUR varnish with integrated anti-fingerprint effect even on dark substrates

Range of use	■ Primer & topcoat ■ Solid wood & veneers ■ High-quality furniture ■ Kitchen & bathroom furniture ■ Handleless front panels ■ Dark and dark-stained wood ■ Topcoat on coloured varnishes (resistance to metal rings, gloss level)
Properties	■ Fast drying ■ Good sanding properties ■ Excellent resistance to chemicals ■ Good scratch resistance ■ Does not become glossy ■ Lightfast ■ High transparency ■ Fire behaviour according to DIN EN 13501-1: C-s1,d0 on suitable substrates ■ Anti-fingerprint effect
Certificates/test standards	■ Classification of fire behaviour as per DIN EN 13501-1 (C-s1, d0) ■ DIN EN 71-3 "Migration of certain elements" ■ DIN 68861-1B Resistance to chemicals
Preparation	■ 10:1 with PUR H-280 by volume (100:10 by weight) ■ Working time max. 12 hours; this may be lower at high temperatures
Application	■ Flow cup gun: Nozzle: 1.8 - 2.0 mm; atomiser air pressure: 2 - 3 bar ■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	■ 80 - 120 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 10 minutes ■ Touch-dry: after approx. 40 minutes ■ Overcoating: after approx. 1.5 hours ■ Anti-fingerprint surface effect: after approx. 3 days

Quantity per pallet		**60**	**22**
Packaging unit		5 l Tin bucket	20 l Tin bucket
Container code		05	20
Art. no.			
10 dull matt			
clear	1941	■	■
05 cloth matt			
clear	1979	■	■

System products	Art. no.
PUR CL-240	(1965)
PUR FG-201	(1950)
PUR H-280	(1975)
PUR RHE-217	(1957)
V-89X thinners	

PUR HL-211/90 High Gloss Finish

Lightfast 2K topcoat for flame-resistant high-gloss coatings

Range of use	▪ Finishing coat ▪ Solid wood & veneers ▪ High-quality furniture ▪ Kitchen & bathroom furniture ▪ Shopfitting and trade fair stands ▪ Topcoat on coloured varnishes (resistance to metal rings, gloss level)
Properties	▪ Fast drying ▪ Can be polished once cured ▪ Lightfast ▪ Good flow properties ▪ Fire behaviour according to DIN EN 13501-1: C-s2,d0 on suitable substrates
Certificates/test standards	▪ DIN EN 71-3 "Migration of certain elements" ▪ Classification of fire behaviour according to DIN EN 13501-1 (C-s2,d0) ▪ DIN 68861-1B Resistance to chemicals
Preparation	▪ 4:1 with PUR H-280 by volume (100:24 by weight) ▪ Working time max. 6 hours; this may be lower at high temperatures
Application	▪ Flow cup gun: Nozzle: 1.6 - 1.8 mm; atomiser air pressure: 2 - 3 bar ▪ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ▪ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	▪ 120 - 150 ml/m² per coat
Overcoating	▪ Dust-dry: after approx. 20-30 minutes ▪ Overcoating: after approx. 1 hour ▪ Polishable: after approx. 3 days

Quantity per pallet		**60**
Packaging unit		5 l
		Tin bucket
Container code		05
Art. no.		
high-gloss	1961	■

System products	Art. No.
PUR H-280	(1975)
PUR FG-201	(1950)
V-89X thinners	

Solvent-based pigment fillers and colour varnishes

Our solvent-based PUR sealing fillers and colour varnishes are easy to use – and once again, only the hardener component PUR H-280 is required for the various coatings. Our new PUR IF-235 sealing filler sets standards in terms of efficient substrate preparation of MDF boards thanks to its fast and excellent sandability - without the need for a separate, clear seal coat. With the all-in-one system PUR CL-241 Colour Opaque 4in1, high-quality opaque surfaces with good resistance to metal rings can be achieved using just one product. All Remmers PUR colour opaque finishes are available in a wide variety of colours, either shipped directly from the factory or from one of our fully automated tinting stations.

The customer benefits in detail:

- ✓ 2K fillers and colour varnishes with high opacity
- ✓ Efficient, functional and highly durable
- ✓ Virtually all varnishes are compatible with the same hardener
- ✓ High resistance to metal rings even without a clear topcoat

Recommended products

Sealing fillers

PUR IF-235 Sealing Filler

2K sealing filler for opaque surfaces with excellent sandability

Colour varnishes

PUR CL-240 Colour Opaque

Flame-resistant, lightfast 2K colour varnish with high hiding power

PUR CL-241 Colour Opaque 4in1

Highly pigmented, multi-layer 2K varnish for use as a sealer, filler, opaque varnish & topcoat

PUR HCL-248/90 High Gloss Colour Varnish

High-gloss 2K topcoat with excellent volume stability and low time to polishability

PUR IF-235 Sealing Filler

2K sealing filler for opaque surfaces with excellent sandability

Range of use	▪ Preparation of opaque pigmented coatings ▪ Solid wood and wood-based materials ▪ High-quality furniture ▪ Damp interiors (kitchen and bathroom)
Properties	▪ Can also be used on vertical surfaces ▪ Good build and high stability ▪ Good resistance to alternating climate ▪ Very good sealing effect (moisture and substances in wood) ▪ Quick-drying and easy to sand ▪ Fire behaviour acc. to DIN EN 13501-1: C-s1,d0 on suitable substrates ▪ Suitable for ship interior finishing (IMO)
Certificates/test standards	▪ Declaration of conformity (Marine Equipment Directive) ▪ Classification of fire behaviour according to DIN EN 13501-1 (C-s1, d0)
Preparation	▪ 10:1 with PUR H-280 by volume (100:8 by weight) ▪ Working time max. 8 hours under gravity; this may be lower at high temperatures
Application	▪ Flow cup gun: Nozzle: 2.0 - 2.5 mm, atomiser air pressure: 2.0 - 3.0 bar ▪ Airmix spraying: Nozzle: 0.28 - 0.33 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar ▪ Airless spraying: Nozzle: 0.28 - 0.33 mm, material pressure: 80 - 120 bar
Application rate	▪ 120 - 150 ml/m² per coat
Overcoating	▪ Dust-dry: after approx. 10 minutes ▪ Overcoating: after approx. 1.5 hours

Quantity per pallet		**96**	**22**
Packaging unit		5 l	20 l
		Tin bucket	Tin bucket
Container code		05	20
Art. no.			
white	3218	■	■
black	3219	■	■

System products	Art. No.
PUR H-280	(1975)
UMA-824	(3249)
V-89X thinners	
PUR CL-24X colour varnishes	

PUR CL-240 Colour Opaque

Flame-resistant, lightfast 2K colour varnish with high hiding power

Range of use	■ Wood and wood-based materials ■ High-quality furniture ■ Kitchen & bathroom furniture ■ Ship interior finishing ■ Shopfitting and trade fair stands ■ As a glass varnish (in conjunction with PUR GLA-820) ■ As metal varnish (when used with UMA-824)
Properties	■ Very good covering power ■ Excellent flow properties ■ Can also be used on vertical surfaces ■ Excellent resistance to chemicals ■ Resistant to hot water and steam ■ Fire behaviour according to DIN EN 13501-1: C-s1,d0 on suitable substrates ■ Suitable for ship interior finishing (IMO) ■ Lightfast ■ Pleasant feel ■ Free of aromatic compounds
Certificates/test standards	■ DIN EN 71-3 "Migration of certain elements" ■ Classification of fire behaviour according to DIN EN 13501-1 (C-s1, d0) ■ Declaration of conformity (Marine Equipment Directive) ■ DIN 68861-1B Resistance to chemicals
Preparation	■ 10:1 with PUR H-280 by volume (100:8 by weight) ■ Working time max. 8 hours; this may be lower at high temperatures
Application	■ Flow cup gun: Nozzle: 1.8 - 2.0 mm; atomiser air pressure: 2 - 3 bar ■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	■ 100 - 120 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 40 minutes ■ Overcoating: after approx. 2 hours ■ Stacking: after drying overnight

Quantity per pallet		**288**	**200**	**60**	**22**
Packaging unit		1 l	2.5 l	5 l	20 l
		Tin bucket	Tin bucket	Tin bucket	Tin bucket
Container code		01	03	05	20
Art. no.					
20 matt					
Special colours	1801	■	■	■	■
30 semi-matt					
pure white (RAL 9010)	1965			■	■
white (RAL 9016)	1967			■	■
Special colours	1996	■	■	■	■
grey aluminium (RAL 9007)	2004			■	
Base A (pre-filling: 95%)	015158	■	■	■	■
Base C (pre-filling: 85%)	015159	■	■	■	■

System products	Art. No.
PUR H-280	(1975)
PUR IF-235	(3218)
PUR SL-210	(2005)
Aqua PF-430	(3265)
Topcoats	
V-89X thinners	

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PUR CL-241 Colour Opaque 4in1

Highly pigmented, multi-layer 2K varnish with resistance to metal rings, for use as a sealer, filler, opaque varnish & topcoat, with very high scratch resistance and integrated anti-fingerprint effect

Range of use	▪ Optimum adhesion to primer films and ABS edges ▪ Exclusive interior design and shop fitting ▪ As a glass varnish (in conjunction with PUR GLA-820) ▪ As metal varnish (when used with UMA-824) ▪ Solid wood and wood-based materials ▪ High-quality furniture ▪ Kitchen & bathroom furniture ▪ Handleless front panels
Properties	▪ Functions: sealing layer, filler, coloured coating and topcoat ▪ Anti-fingerprint effect ▪ High mechanical resistance ▪ Lightfast ▪ Resistant to metal rings ▪ Good stability (coating on suspended surfaces) ▪ Resistant to hot water and steam ▪ Very good flow properties ▪ High build ▪ Good covering power ▪ Fire behaviour acc. to DIN EN 13501-1: C-s1,d0 on suitable substrates
Certificates/test standards	▪ DIN 68861-1B Resistance to chemicals ▪ Classification of fire behaviour according to DIN EN 13501-1 (C-s1,d0) ▪ Declaration of conformity (Marine Equipment Directive)
Preparation	▪ 10:1 with PUR H-280 by volume (100:9 by weight) ▪ Working time max. 4 - 6 hours; this may be lower at high temperatures.
Application	▪ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar ▪ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ▪ Flow cup gun: Nozzle: 1.8 - 2.0 mm; atomiser air pressure: 2 - 3 bar
Application rate	▪ 100 - 120 ml/m² per coat
Overcoating	▪ Dust-dry: after approx. 30 minutes ▪ Overcoating: after approx. 3 hours ▪ Stacking: > 16 hours

Quantity per pallet		672	672	200	200	60	22
Packaging unit		1 l	6×1 l	2.5 l	2×2.5 l	5 l	20 l
		Tin buck-et	Tin buck-et	Tin buck-et	Tin buck-et	Tin buck-et	Tin buck-et
Container code		01	01	03	03	05	20
Art. no.							
10 dull matt							
pure white (RAL 9010)	5380					■	■
white (RAL 9016)	5381					■	■
Special colours	5383	■		■		■	■
Base A (pre-filling: 95%)	015240		■		■	■	■
Base C (pre-filling: 85%)	015236		■		■	■	■
30 semi-matt							
pure white (RAL 9010)	5386					■	■
white (RAL 9016)	5387					■	■
Special colours	5391	■		■		■	■
Base A (pre-filling: 95%)	015241		■		■	■	■
Base C (pre-filling: 85%)	015237		■		■	■	■

System products	Art. No.
PUR H-280	(1975)
PUR IF-235	(3218)
PUR SL-210	(2005)
PUR GLA-820	(1946)
V-89X thinners	

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P0000558

PUR HCL-248/90 High Gloss Colour Varnish

High-gloss 2K topcoat with excellent volume stability and low time to polishability

Range of use	▪ High-quality furniture ▪ Wooden materials ▪ Ideal for surfaces that pre-treated with Remmers PUR fillers ▪ Finishing coat
Properties	▪ High mechanical resistance ▪ Full resistance to metal rings ▪ Good sanding and polishing properties ▪ High build ▪ High opacity ▪ Fire resistant
Certificates/test standards	▪ EC type examination certificate, module B (IMO certification) ▪ DIN 68861-1B "Behaviour at chemical influence" ▪ DIN 68861-2C “Furniture surfaces/Abrasion” ▪ DIN 68861-4B “Furniture surfaces/Scratches” ▪ DIN EN 71-3 "Migration of certain elements" ▪ DIN 53160-1 "Resistance against artificial saliva" ▪ DIN 53160-2 "Resistance against artificial sweat" ▪ DIN 53231 Hanau–SUN test (in-house standard)
Preparation	▪ 2:1 with PUR H-286 by volume (100:48 by weight) ▪ Working time max. 1 hour; this may be lower at high temperatures
Application	▪ Flow cup gun: Nozzle: 1.6 - 1.8 mm; atomiser air pressure: 2 - 3 bar ▪ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ▪ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar
Application rate	▪ 120 - 150 ml/m² per coat
Overcoating	▪ Dust-dry: after approx. 30 minutes ▪ Touch-dry: after approx. 60 minutes ▪ Overcoating: after approx. 16 hours ▪ Polishable: approx. 48 hours ▪ Stacking: after approx. 48 hours

Quantity per pallet		**60**
Packaging unit		5 l Tin bucket
Container code		05
Art. no.		
PUR HCL-248/90 high gloss		
5138	Special colours	■
015121	Base A (pre-filling: 95%)	■
015123	Base C (pre-filling: 78%)	■

System products	Art. No.
PUR H-286	(5139)
V-897	(1935)
V-893	(1981)
PUR IF-235	(3218)

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Hardeners, thinners and additives for solvent-based varnishes

Most Remmers PUR coatings can be used with the same hardening component – PUR H-280 Hardener – which minimises the risk of user error and excess stock. Adding cross-linking agents and other additives significantly improves the adhesion properties of Remmers PUR coatings on a range of non-wood substrates.

The 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

Recommended products

Hardeners

PUR H-280 Hardener
Isocyanate for hardening PUR varnishes

PUR H-286 Hardener
Isocyanate for solvent-based PUR varnishes

Thinners/tool cleaning agents

V-890 Thinner
Fast dilution/cleaning of tools

V-897 Thinner
Medium-speed dilution: flow optimisation and fast drying

V-893 Retarder

Slow dilution for improving flow properties

WV-891
Brush Wash
For cleaning tools

Admixtures and additives

MM-823
Matting Agent
Matting additive for 2K PUR coatings

UMA-824 Universal Metal Adhesion Additive
Improves the adhesion to metal of selected varnishes

PUR GLA-820
Glass Lacquer Additive
Additive for improving the adhesion of PUR varnishes on glass

SM-820 Texturing Additive
Additive for the production of textured coatings

ULM-822 Universal Light Stabiliser
Protects light wood against UV radiation

PUR H-280 Hardener

Lightfast isocyanate for hardening PUR varnishes

Range of use	▪ For hardening 2K PUR coatings in the specified mixing ratio ▪ Bleached wood
Properties	▪ Lightfast ▪ Free of aromatic compounds ▪ No training required as per EU Regulation 2020/1149
Application	▪ Isocyanates react with moisture in the air, so always keep the hardener container sealed air-tight
Application rate	▪ Add to varnish in the specified mixing ratio

Quantity per pallet		**444**	**210**	**50**
Packaging unit		1 l	2 l	10 l
		Tin canister	Tin canister	Tin canister
Container code		01	02	10
Art. no.				
	1975	■	■	■

System products	Art no.
Remmers 2K PUR varnishes	

PUR H-286 Hardener

Isocyanate for solvent-based PUR coatings

Range of use	▪ For hardening 2K PUR coatings in the specified mixing ratio
Tips on use	▪ Isocyanates react with moisture in the air, so always keep the hardener container sealed air-tight
Application rate	▪ Add to varnish in the specified mixing ratio

Quantity per pallet		**210**
Packaging unit		2.5 l
		Tin canister
Container code		03
Art. no.		
	5139	■

System products	Art no.
PUR HCL-248/90	(5138)

V-890 Thinner

Fast dilution and cleaning of tools

Range of use	■ Thinner for 2K PUR products ■ Adjusting NC stains (spraying without expulsion) ■ Cleaning tools
Properties	■ Free of aromatic compounds ■ Good cleaning action
Application rate	■ As needed

Quantity per pallet		210	50	24
Packaging unit		2 l	10 l	30 l
		Tin canister	Tin canister	Tin canister
Container code		02	10	30
Art. no.				
	1955	■	■	■

System products	Art. no.
NC HB-005	(3826)
Remmers 2K PUR varnishes	

V-897 Thinner

Moderately fast-acting thinner for adjusting coatings: Flow optimisation and fast drying

Range of use	▪ Thinning PUR varnishes
Properties	▪ Optimises flow ▪ Accelerates full hardening ▪ Reduces the specified working times
Application rate	▪ As needed

Quantity per pallet		**50**	**24**
Packaging unit		10 l	30 l
		Tin canister	Tin canister
Container code		10	30
Art. no.			
clear	1935	■	■

System products	Art. no.
PUR SL-21X finishes	
PUR CL-24X colour varnishes	
PUR HL-211/90	(1961)
PUR BML-215	(1941)
PUR HCL-248/90	(5138)

V-893 Retarder

Slow dilution for improving flow properties

Range of use	■ Thinning PUR varnishes ■ Streak-free varnishing of large surfaces and at high temperatures ■ Application of PUR coatings by brush/roller ■ Adjusting NC stains (spraying with dispersal)
Properties	■ Slow evaporation
Application rate	■ As needed

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

System products	Art. no.
PUR FG-201	(1950)
PUR HL-211/90	(1961)
PUR BML-215	(1941)
PUR IF-235	(3218)
PUR HCL-248/90	(5138)
PUR SL-21X finishes	
PUR CL-24X colour varnishes	

WV-891 Brush Wash

Solvent for cleaning tools

Range of use	▪ Cleaning tools after using solvent-based products
Properties	▪ Good cleaning action
Application rate	▪ Dependent on application

Quantity per pallet		**24**
Packaging unit		30 l
		Tin canister
Container code		31
Art. no.		
	1948	■

MM-823 Matting Agent

Matting additive for 2K PUR coatings

Range of use	▪ Matting PUR varnishes ▪ Not suitable for matt coating systems
Properties	▪ Reduces the gloss level by approx. 10 units when added in a quantity of 4%
Application	▪ Mix in with Patent Disperser, stirring continuously

Quantity per pallet		**360**
Packaging unit		1 l
		Tin canister
Container code		01
Art. no.		
MM-823 Matting Agent	3867	■

System products	Art. no.
PUR CL-240	(1965)
PUR SL-21X finishes	

UMA-824 Universal Metal Adhesion Promoter

Additive for improving the adhesion of selected coatings on selected metals and primer for MultiSil

Range of use	■ In solvent-based & water-based coatings ■ Aluminium, stainless steel, galvanised steel, black steel ■ Other substrates require prior inspection ■ Primer for MultiSil on non-absorbent substrates
Properties	■ Significant improvement of the adhesion on selected substrates
Preparation	■ 10% in the ready-to-use varnish ■ Processing time for PUR varnishes is reduced by approx. 50%
Application	■ When applying water-based varnishes to non-stainless steels, rust spots may appear on the coating

Quantity per pallet		**880**
Packaging unit		0.5 l
		Plastic canister
Container code		84
Art. no.		
	3249	■

System products	Art. No.
MultiSil	(7380)
PUR SL-212	(1970)
Aqua TL-412	(2372)
Aqua PF-430	(3265)
PUR IF-235	(3218)
Aqua CL-440	(3802)
PUR CL-2XX colour varnishes	

PUR GLA-820 Glass Lacquer Additive

Additive for improving the adhesion of PUR lacquers on glass

Range of use	■ Coloured designs on the rear face of glass surfaces ■ Furniture building and shop fitting ■ Can be used with a wide range of Remmers PUR lacquers
Properties	■ Significant improvement in the adhesion of the coating to glass ■ Cost-effective alternative also suitable for small production runs ■ Easy to use
Preparation	■ 10% in the ready-to-use varnish ■ Processing time for PUR varnishes is reduced by approx. 50%

Quantity per pallet		**200**
Packaging unit		0.5 l
		Tin canister
Container code		01
Art. no.		
	1946	■

System products	Art. no.
SM-820	(1942)
PUR BML-215	(1941)
PUR SL-21X finishes	
PUR CL-24X colour varnishes	

SM-820 Texturing Additive

Additive for the production of textured coatings

Range of use	▪ For the production of textured coatings ▪ PUR and Aqua coatings ▪ For use in glass coatings ▪ Improves anti-slip properties on floors
Properties	▪ Creates a coarse feel ▪ Improves resistance ▪ Ensures a matt look ▪ Can be used on floors and stairs to improve slip resistance
Preparation	▪ Use the enclosed mixing container for precise dispensing ▪ Mix in with Patent Disperser, stirring continuously ▪ Adjust the coating material to achieve a workable viscosity if necessary
Application rate	▪ Approx. 100 ml (40 g) per litre of ready-to-use varnish

Quantity per pallet		**200**
Packaging unit		0.5 kg Plastic bucket
Container code		01
Art. no.		
SM-820/S Texturing Additive fine	1942	■
SM-820/M Texturing Additive medium	1943	■
SM-820/L Texturing Additive coarse	1944	■

System products	Art. no.
PUR SL-21X finishes	
PUR CL-24X colour varnishes	

ULM-822 Universal Light Stabiliser

Optimum protection of wood against premature optical changes due to UV radiation

Range of use	■ Especially suited to light and light-stained woods: oak, maple, ash, birch, spruce, pine ■ Can be used with all transparent Aqua and PUR varnishes ■ Can be used in base coats and topcoats
Properties	■ Effective protection thanks to broad-spectrum UV absorption by the selected absorbers

Quantity per pallet		**432**
Packaging unit		1 l
		Tin canister
Container code		01
Art. no.		
	3824	■

System products	Art. no.
PUR FG-201	(1950)
PUR SL-210	(2005)
PUR SL-212	(1970)
PUR RHE-217	(1957)
PUR BML-215	(1941)
PUR HL-211/90	(1961)

Get it done the right way

To achieve the best possible result, please take note of the following tips for solvent-based coating systems:

Range of use

- ✓ High-quality furniture
- ✓ Kitchen & bathroom furniture
- ✓ Ship interior finishing
- ✓ Shop fitting and exhibition stand construction
- ✓ Solid wood & veneers

Properties

- ✓ Contemporary surfaces in all gloss levels
- ✓ Highly durable
- ✓ Easy to use
- ✓ One hardener component (no training required)
- ✓ Anti-fingerprint effect possible
- ✓ Cost-effective - long pot life and working time, fast drying

Preparation

- ✓ High-quality materials required
- ✓ MDF boards: compacted middle layer and apparent density > 700 kg/m³
- ✓ Brush out wood with large pores, water if necessary
- ✓ Graded, fine intermediate sanding of bare wood and varnish, then remove dust
- ✓ Wood moisture content 8-12%, relative humidity 45-65%
- ✓ Recommended temperature of the substrate, material and air approx. 18 to 25 °C
- ✓ Prepare a test sample

Application/tips on use

- ✓ If possible, set up the sanding, varnishing and drying zones in separate areas
- ✓ Recommended temperatures:
  - Varnishing zone 18-20°C / 50% RH, avoid drafts and direct sunlight
  - Resting zone 18-20°C / 65% RH, (10-15 minutes), avoid drafts and direct sunlight
  - Drying zone 20-30°C / 45% RH, min. 2x air exchange per hour recommended, forced drying possible
- ✓ Seal PUR hardener containers air-tight
- ✓ Homogenise the PUR hardener and additives thoroughly in the varnish (Patent Disperser)
- ✓ Follow the mixing ratios precisely - for materials with a high density, e.g. sealing filler & colour varnishes, pay attention to differences between volumetric mixing (measuring cup) and gravimetric mixing (scales) in the Technical Data Sheet
- ✓ Only use suitable varnish thinners
- ✓ Use a sieve/filter when filling the varnish application device
- ✓ Use suitable tools
- ✓ Prime absorbent and open-pored substrates with diluted material for optimum wetting
- ✓ Sand PUR varnish surfaces and remove dust before applying further coats of varnish

Application rate

- ✓ Use the application rates specified in the Technical Data Sheet in order to avoid delays in drying, surface defects and unpleasant odours
- ✓ With multi-layer systems, use the lower application rate value for the primer and the upper value for the topcoat
- ✓ It is recommended to use a measuring comb in a concealed area to check the layer thickness, or to use the weighing method, for quality assurance purposes

Tools/cleaning/disposal

- ✓ Use suitable nozzle sizes, atomiser air caps and material handling systems according to the instructions in the Technical Data Sheet and the manufacturer's data sheets
- ✓ Use technically clean compressed air
- ✓ Equipment that is used alternately with water-based varnishes must be rinsed carefully and rinsed with UN-894 for the system change
- ✓ Use WV-891 Brush Wash for thorough cleaning
- ✓ Gather up leftover thinner and varnish residues and dispose of appropriately
- ✓ Dried varnish residues are classified as commercial waste

Personal protective equipment

- ✓ Wear safety glasses, safety gloves and safety boots
- ✓ A2/P2 respiratory mask required
- ✓ Use extraction, always apply varnish in the direction of the extraction

Safety/regulations

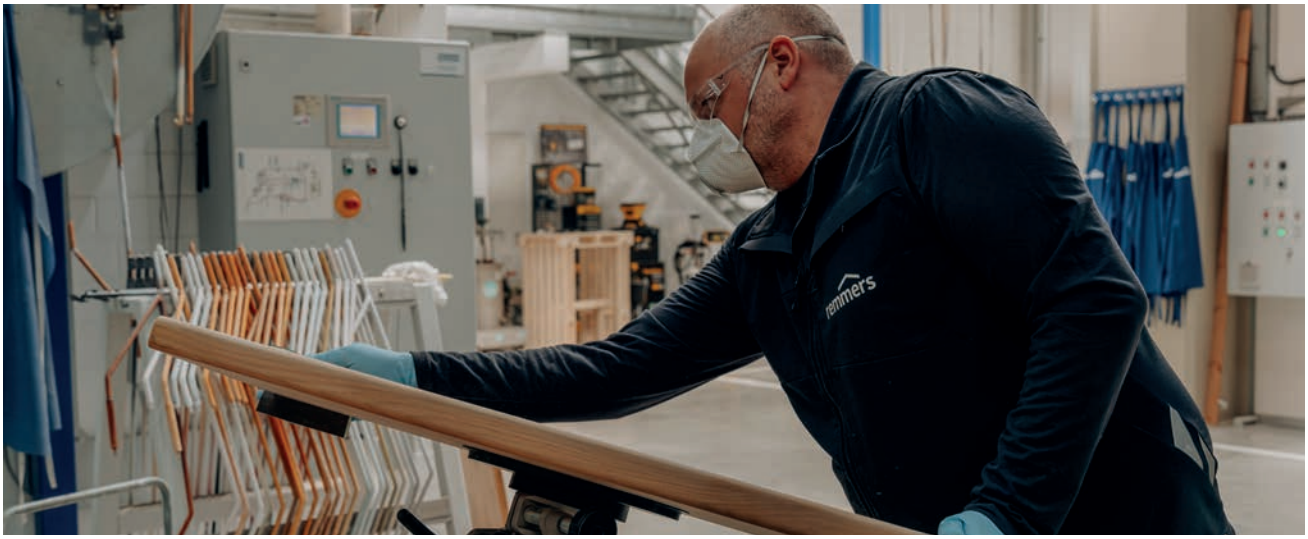
- ✓ External test certificates and sustainability data sheets are available as extra literature for the product range (emission properties, ingredients etc.)

Storage/shelf life

- ✓ The temperature must not fall below 5 °C during storage and transport
- ✓ Observe the shelf life information on the container label
- ✓ Ventilate storage areas, observe the requirements for fire and explosion protection

Preservation/maintenance

- ✓ Damp-clean with soapy water, avoid leaving residues
- ✓ Lint-free soft cleaning cloths, do not use microfibre
- ✓ Repair damage immediately
- ✓ Do not use furniture care products containing silicone or wax; check compatibility in a concealed area before use



UPEX

Combination options

PUR coatings with hardeners, thinners and additives

	Hardeners / Thinners		Thinners / Retarders		
Varnishes	PUR H-280 Hardener	PUR H-286 Hardener	V-890 Thinner	V-897 Thinner	V-893 Retarder
PUR FG-201 Filling Primer	■		■	■	■
PUR SL-210 Finish	■		■	■	■
PUR SL-212 Finish	■		■	■	■
PUR HL-211/90 High Gloss Finish	■		■	■	■
PUR RHE-217 Bare Wood Effect Varnish	■		■		
PUR BML-215 Brilliant Matt Varnish	■		■	■	■
PUR IF-235 Sealing Filler	■		■	■	■
PUR CL-240 Colour Opaque	■		■	■	■
PUR CL-241 Colour Opaque 4in1	■		■	■	■
PUR HCL-248/90 High Gloss Colour Varnish		■		■	■

	Additives / Effects				
Varnishes	PUR GLA-820 Glass Lacquer Additive	SM-820 Texturing Additive	MM-823 Matting Agent	UMA-824 Universal Metal Adhesion Promoter Additive	ULM-822 Universal Light Stabiliser
PUR FG-201 Filling Primer					■
PUR SL-210 Finish	■	■	■		■
PUR SL-212 Finish	■	■	■	■	■
PUR HL-211/90 High Gloss Finish					■
PUR RHE-217 Bare Wood Effect Varnish					■
PUR BML-215 Brilliant Matt Varnish		■			■
PUR IF-235 Sealing Filler				■	
PUR CL-240 Colour Opaque	■	■	■	■	
PUR CL-241 Colour Opaque 4in1	■	■			
PUR HCL-248/90 High Gloss Colour Varnish					

Transparent coating systems

Solvent-based coating systems

Range of use	System structure	Property profile/advantages
Finish with emphasised pores: **all areas including kitchens & bathrooms, all wood types**	▪ If needed: Aqua KB-004 / PB-006 (for colour finishes) ▪ PUR SL-210 + PUR H-280 ▪ PUR SL-210 + PUR H-280	▪ Resistant to daily use thanks to highly durable surfaces ▪ Highly versatile ▪ Also for ship interior finishing (IMO) and public areas (fire resistant)
Pore-filling finish: **furniture in all areas including kitchens & bathrooms, all wood types**	▪ If needed: Aqua KB-004 / PB-006 (for colour finishes) ▪ PUR SL-212 + PUR H-280 ▪ PUR SL-212 + PUR H-280	▪ Very high resistance to abrasion & scratches ▪ Economical coating on suspended surfaces (stability & defoaming) ▪ Can be used with higher hardener content for components subjected to extreme mechanical stresses
Dull/cloth matt finish: **furniture in all areas including kitchens & bathrooms, dark/dark-stained wood types**	▪ If needed: Aqua KB-004 / PB-006 (for colour finishes) ▪ PUR BML-215 + PUR H-280 ▪ PUR BML-215 + PUR H-280	▪ Resistant to daily use thanks to highly durable surfaces ▪ Virtually no concealment of the substrate ▪ Anti-fingerprint effect
Natural finish with emphasised pores: **furniture in all areas including kitchens & bathrooms, light and dark wood**	▪ PUR RHE-217 + PUR H-280 ▪ PUR BML-215/05 + PUR H-280	▪ Resistant to daily use thanks to highly durable surfaces ▪ For coatings that are imperceptible visually and to the touch ▪ Can also be used on bleached wood ▪ Anti-fingerprint effect
Semi-transparent glass varnish: **glass in furniture, kitchens and bathrooms**	▪ Cleaning: V-893 ▪ PUR SL-210 + PUR H-280 + PUR GLA-820 + SM-820 for special effects	▪ No duplicate purchasing and storage ▪ Durable glass varnish with available wood varnishes/components ▪ SM-820 can be used to create various effects ▪ Excellent wet adhesion

Opaque coating systems

Solvent-based coating systems

Range of use	System structure	Property profile/advantages
Opaque colour finish: **furniture in all areas including kitchens & bathrooms, MDF and wood without large pores**	▪ PUR IF-235 + PUR H-280 ▪ PUR CL-240 + PUR H-280* or PUR CL-241 4in1 + PUR H-280 * If needed: PUR SL-210 / 212 / BML-215 + PUR H-280 (for resistance to metal rings)	▪ Efficient: high covering power, fast drying, very easy to sand ▪ Excellent flow properties for visually and haptically flawless surfaces ▪ Also for ship interior finishing (IMO) and public areas (fire resistant)
Opaque 4in1 colour finish: **furniture in all areas including kitchens & bathrooms, MDF and wood without large pores**	▪ PUR CL-241 4in1 + PUR H-280 ▪ PUR CL-241 4in1 + PUR H-280	▪ Sealing, filler, colour varnish and topcoat in a single product ▪ High covering power and build, excellent adhesion and resistance to metal rings ▪ Easy to store, more efficient surface preparation
Opaque colour finish with emphasis of pores: **furniture in all areas including kitchens & bathrooms, wood with large pores**	▪ PUR CL-241 4in1 + PUR H-280 + 50% V-890 ▪ If needed: Repeat process	▪ Good flow properties: optimum pore emphasis/wetting ▪ Resistance to metal rings
Opaque metal varnish: **furniture construction, kitchens & bathrooms**	▪ Cleaning: V-890 ▪ PUR IF-235 + PUR H-280 + UMA-824 ▪ PUR CL-240 + PUR H-280* or PUR CL-241 4in1 + PUR H-280 * If needed: PUR SL-210 / 212 / BML-215 + PUR H-280 (for resistance to metal rings)	▪ No duplicate purchasing and storage ▪ Durable metal varnish with existing wood varnishes ▪ Excellent wet adhesion
Opaque rear glass lacquer: **glass in furniture, kitchens and bathrooms**	▪ Cleaning: V-893 ▪ PUR CL-240 / CL-241 4in1 + PUR H-280 + PUR GLA-820 ▪ If needed: Repeat process	▪ No duplicate purchasing and storage ▪ Durable glass varnish with available wood varnishes/components ▪ Highly opaque thanks to excellent covering power ▪ Excellent wet adhesion

Oils and hard wax sealers

Remmers offers products based on natural oils and waxes as an alternative to varnishes for furniture, interior fittings, wooden flooring and wooden stairs. A special feature of these products is their natural look and feel. And when it comes to application, all the products are highly efficient: the 2K oil HSO-118 [eco] can even be applied in just one coat. One of Remmers' specialities is products in the category of hard wax sealers, either as a conventional, solvent-based solution or in an eco-friendly, water-based version. Surfaces finished with HWS-112 & Aqua HWS-712 [eco] are as beautiful as oiled surfaces and are just as resistant as 2K varnishes.

The customer benefits in detail:

- ✓ Hard wax seal: as attractive as an oil – as reliable as a varnish
- ✓ 2K oil HSO 118 [eco]: Finished surfaces in a single coat
- ✓ Aqua HWS-712 [eco] & HSO-118 [eco]: Very high proportion of renewable raw materials
- ✓ Numerous certifications

Recommended products

Hard wax seal
Aqua HWS-712
Hard Wax Seal [eco]
Water-based, hard-wearing 1K sealant made from renewable raw materials

HWS-112
Hard Wax Seal
Durable, single-component wood sealer for a natural look

High-solid oil
HSO-118
High Solid Oil [eco]
High-solid wood finish made from renewable raw materials

OH-180 Hardener [eco]

Solvent-free isocyanate for hardening HSO-118 [eco]

Maintenance & care
Oiled Floor Care [eco]
Care product for oiled wooden floors and stairs

Maintenance Kit
For oiled surfaces

Aqua HWS-712 Hard Wax Seal [eco]

Water-based, hard-wearing 1K sealant made from renewable raw materials, for two applications

Range of use	■ Interior wood ■ Wood in sheltered outdoor areas ■ Furniture and interior fittings ■ Wooden floors and stairs ■ Tabletops and worktops ■ Primer: minimises swelling behaviour (opaque coatings) ■ Terrace furniture in sheltered outdoor areas ■ Dimensionally stable wood building elements in sheltered areas ■ Sustainable building: suitable for building certifications DGnB, LEED, BNB ■ Not for bleached wood ■ "Natural effect" colour only for light wood, e.g. oak, ash & spruce ■ No removal of excess
Properties	■ Very fast drying ■ Resistant to abrasion and scratches ■ Resistant to chemicals: DIN 68861, 1B ■ Slip-resistant ■ Very low tendency to shine ■ Natural look and feel ■ Made from renewable raw materials: min. 80% ■ A vegan product based on the information available to us ■ VOC-free and mild odour ■ No creaking ■ 2K ready: improvement of the resistance to chemicals, hand cream, scratches and abrasion by adding 2% Aqua VGA-485 ■ Fire resistant ■ Cloth matt
Certificates/test standards	■ DIN EN 71-3 "Migration of certain elements" ■ Slip-resistant as per DIN 51130:2014 "R10" with texturing agent / "R9" without texturing agent ■ Classification of fire behaviour as per DIN EN 13501-1 (B-s1, d0)
Application	■ Roller, spray application ■ Microfibre sealant roller approx. 5 mm pile height ■ Flow cup gun: Nozzle: 1.0 - 1.6 mm, atomiser air pressure: 1.0 - 2.0 bar ■ Airless spraying: Nozzle: 0.23 mm, material pressure: 60 - 80 bar ■ Airmix spraying: Nozzle: 0.23 mm, material pressure: 50 - 70 bar, atomiser air pressure: max. 1 bar
Application rate	■ Two coats, 70 - 90 ml/m² per coat
Overcoating	■ Dust-dry: after approx. 30 minutes ■ Touch-dry: after approx. 1.5 hours ■ Overcoating: after approx. 3 hours ■ Full loading capacity: after approx. 7 days

Quantity per pallet		672	96	22
Packaging unit		0.75 l Tin bucket	5 l Tin bucket	20 l Tin bucket
Container code		01	05	20
Art. no.				
5290	clear	■	■	■
5291	grain+	■	■	■
5292	natural effect	■	■	■
5293	special colours	■	■	■

System products	Art. No.
Aqua VGA-485	(3256)
Aqua KB-004	(3840)
SM-820	(1942)
HSO-118 [eco]	(7708)
Microfibre sealant roller	(4430)

HWS-112 Hard Wax Seal

Durable 1K wood sealer for a natural look and two-time application

Range of use	■ Furniture and interior fittings ■ Wooden floors and stairs ■ Tabletops and worktops ■ Ship interior finishing ■ Bathroom and sauna elements ■ Bamboo components ■ Cork floors ■ No removal of excess
Properties	■ Fast drying ■ Resistant to abrasion and scratches ■ Resistant to chemicals: DIN 68861, 1B ■ Slip-resistant ■ Very low tendency to shine ■ Natural look and feel
Certificates/test standards	■ DIN EN 71-3 "Migration of certain elements" ■ Approval as surface coating system for parquet and wood flooring ■ Slip resistance rating "R10" according to DIN 51130:2014 ■ EC type examination certificate, module B (IMO certification) ■ Treppenmeister hand cream test (based on DIN EN 12720) ■ Food contact ■ Artificial saliva and sweat ■ DIN 68861, 1B Resistance to chemicals
Application	■ Roller, spray application ■ Short-pile (3-5 mm) velour or mohair roller ■ Flow cup gun: Nozzle: 1.6 - 1.8 mm; atomiser air pressure: max. 2 bar ■ Airless spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 120 bar ■ Airmix spraying: Nozzle: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: max. 1 bar ■ Make sure the area is well ventilated when using indoors ■ Attention: observe the information on self-ignition! ■ Regularly dispose of overspray to avoid ignition ■ Let fresh overspray dry before sweeping up
Application rate	■ 1st coat: 70 ml/m² ■ 2nd coat: 60 ml/m²
Overcoating	■ Dust-dry: after approx. 1 hour ■ Touch-dry: after approx. 3 hours ■ Spray overcoating: after approx. 6 hours ■ Overcoating with roller: after approx. 14 hours ■ Full loading capacity: after approx. 7 days

Quantity per pallet		**444**	**60**	**22**
Packaging unit		1 l Tin canister	5 l Tin canister	20 l Tin canister
Container code		85	05	20
Art. No.				
1826	clear	■	■	■
1829	Special colours	■	■	■

System products	Art. no.
OB-008	(2787)
Oiled Floor Care [eco]	(7699)
Maintenance Kit	(7739)
Velour Roller	(4442)

HSO-118 High Solid Oil [eco]

High-solid wood finish made from renewable raw materials, for protection in a single coat

Range of use	▪ Interior wood ▪ Wooden floors and stairs ▪ Tabletops and worktops ▪ High-quality solid wood furniture ▪ Cork floors ▪ Panels and moulding ▪ Natural stone kitchen worktops (less dirt) ▪ Sustainable building: suitable for building certifications DGnB, LEED, BNB
Properties	▪ 3in1 oil: stain, oil and wax sealing coat ▪ Made from renewable raw materials: min. 90% ▪ Slip-resistant ▪ Penetrates deeply into the wood and emphasises the grain ▪ Durable, dirt repelling, hard-wearing ▪ Good resistance against selected standard household substances (e. g. water, cola, beer, tea, coffee, wine & cleaning agents) ▪ Flexible: 1K or 2K application ▪ 2K application: more durable and ready to use sooner
Certificates/test standards	▪ DIN EN 71-3 "Migration of certain elements" ▪ Declaration of Harmlessness for food contact ▪ Approval as surface coating system for parquet and wood flooring ▪ Slip-resistant "R9" according to DIN 51130:2014
Application	▪ Application by roller, brush, spreader or pad ▪ Attention: observe the information on self-ignition! ▪ Mixing: If necessary, mix with OH-180 [eco] in a ratio of 5:1 ▪ Processing time: 6h ▪ Inside cupboards and drawers, only apply a single thin layer of the product ▪ Areas not subjected to heavy wear and tear: single 1K application ▪ Areas subjected to higher stresses: single 2K application (alternative: two times 1K application) ▪ Remove excess material after approx. 20 - 30 min ▪ Depending on the substrate condition, apply 1 or 2 coats ▪ Before the second coat carry out an intermediate sanding with P 240 – 320
Application rate	▪ 20 - 70 ml/m² per coat (the application rate includes excess material and depends heavily on the application method, the absorbency of the wood and the sanded finish)
Overcoating	▪ After drying overnight (practice values at 20 °C and 65% RH)

System products	Art. no.
OH-180 [eco]	(7721)
Hard Wax Oil [eco]	(7684)
Natural Worktop Finish [eco]	(7697)
Hard Wax Oil	(0695)
Oiled Floor Care [eco]	(7699)
MultiSil	(7380)

Quantity per pallet		672	200	30
Packaging unit		0.75 l Tin bucket	2.5 l Tin bucket	10 l Tin bucket
Container code		01	03	10
Art. No.				
7701	intense white (RC-995)	■		
7702	nutwood (RC-660)	■		
7703	light oak (RC-365)	■		
7704	teak (RC-545)	■		
7705	ebony (RC-790)	■		
7706	silver grey (RC-970)	■		
7707	natural effect	■	■	
7708	clear	■	■	■
7709	Special colours	■	■	■

OH-180 Hardener [eco]

Solvent-free isocyanate for hardening HSO-118 [eco]

Range of use	■ For hardening HSO-118 [eco]
Properties	■ No training required as per EU Regulation 2020/1149 ■ VOC-free and mild odour ■ Fast hardening and long pot life ■ Boosts the durability of HSO-118 [eco] ■ Easy to portion out
Application rate	■ Add to oil in the specified mixing ratio

Quantity per pallet	**880**
Packaging unit	0.5 l Tin canister
Container code	84
Art. no.	
7721	■

System products	Art. no.
HSO-118 [eco]	(7708)

Oiled Floor Care [eco]

Care product for oiled and waxed wood floors

Range of use	▪ Interior wood ▪ Wooden floors and stairs ▪ Cork floors ▪ Only use on pre-treated surfaces
Properties	▪ Made from renewable raw materials: min. 90% ▪ Forms a thin protective layer of high quality waxes ▪ Protects the surface from premature wear ▪ Can be polished once dry
Certificates/test standards	▪ DIN EN 71-3 "Migration of certain elements"
Application	▪ Damp-wipe the floor ▪ Never flood wooden floors, damage may occur due to wood swelling ▪ To avoid stains, never leave damp cloths on wood surfaces
Application rate	▪ 200 ml per 10 l of cleaning water

Quantity per pallet		**288**
Packaging unit		4 × 1 l
		Plastic bottle
Container code		01
Art. no.		
	7699	■

System products	Art. No.
Hard Wax Oil	(0695)
Hard Wax Oil [eco]	(7684)
HSO-118 [eco]	(7708)
HWS-112	(1826)
Aqua HWS-712 [eco]	(5290)

Maintenance Kit

For oiled surfaces

Range of use	■ Wooden stairs ■ Interior wood ■ High-quality solid wood furniture ■ Panels and moulding
Properties	■ Penetrates deeply into the wood and emphasises the grain ■ Slight change to the gloss level of the treated surface ■ Regular use extends the intervals between renovation and the service life of the surface ■ Durable, dirt repelling, hard-wearing ■ Forms a thin protective layer of high quality waxes ■ Repels dust and dirt for easy-care surfaces
Application rate	■ 5 - 10 ml/m² per coat the application rate depends heavily on the absorbency of the wood

Quantity per pallet		**245**
Packaging unit		Kit
		Kit in box
Container code		01
Art. no.		
	7739	■

The kit consists of:
1 abrasive cloth, 1 container opener, 250 ml cleaner, 375 ml Hard Wax Oil clear, 2 special cloths, upkeep and maintenance instructions

System products	Art. No.
Hard Wax Oil	(0695)
Hard Wax Oil [eco]	(7684)
HWS-112	(1826)
Natural Worktop Finish [eco]	(7697)

Get it done the right way

To achieve the best possible result, please take note of the following tips for oils and hard wax sealers

Range of use

- ✓ Furniture and interior fittings
- ✓ Wooden floors and stairs
- ✓ Universal use for furniture and fixed components according to the Decopaint directive
- ✓ Wall cladding and constructions
- ✓ Suitable for sustainable building / building certifications

Properties

- ✓ Natural look and feel
- ✓ Highly durable
- ✓ Easy to use
- ✓ Single component for many applications
- ✓ Hard Wax Seal: economical application, no need to remove excess material

Preparation

- ✓ Wood must be selected carefully
- ✓ Brush out wood with large pores, water if necessary
- ✓ Graded sanding of bare wood and intermediate sanding, then remove dust
- ✓ Wood moisture content 8-12%, relative humidity 45-65%
- ✓ Recommended temperature of the substrate, material and air approx. 18 to 25 °C
- ✓ Prepare a test sample

Application/tips on use

- ✓ If possible, set up the sanding, varnishing and drying zones in separate areas
- ✓ Recommended temperatures:
  - Varnishing zone 18-20°C / 50% RH, avoid drafts and direct sunlight
  - Resting zone 18-20°C / 65% RH, (10-15 minutes), avoid drafts and direct sunlight
  - Drying zone 20-30°C / 45% RH, min. 2x air exchange per hour recommended, forced drying possible
- ✓ Seal containers air-tight, store containers inverted, skin formation possible
- ✓ Thoroughly homogenise the hardener and additives with the product (Patent Disperser)
- ✓ Spraying: Use a sieve/filter when filling the varnish application device
- ✓ Use suitable tools
- ✓ Prime absorbent and open-pored substrates for optimum wetting when applying product with a roller or brush
- ✓ Observe the documentation on the use of oil-based products (danger of self-ignition) TI 2.12 – 2.1
- ✓ Oil-based products contain natural ingredients. Under the influence of UV light, light exclusion (yellowing), heat or individual changes to the wood, this can result in changes to the surface
- ✓ White, pastel and grey shades can lose their intensity in a short period of time. The severity depends on the type of wood used, the substances it contains, and the heat and lighting conditions. If these changes are not desired, it is recommended to apply a lightfast stain to the surface

Application rate

- ✓ Use the application rates specified in the Technical Data Sheet in order to avoid delays in drying and surface defects
- ✓ Observe the recommended action time before removing excess material
- ✓ When using multi-layer systems on absorbent substrates, use the upper application rate value for the primer and the lower value for the topcoat
- ✓ It is recommended to use a measuring comb in a concealed area to check the layer thickness, or to use the weighing method, for quality assurance purposes

Tools/cleaning/disposal

- ✓ Use suitable nozzle sizes, atomiser air caps, material handling systems, rollers, brushes, pads etc. according to the instructions in the Technical Data Sheet and the manufacturer's data sheets
- ✓ Use technically clean compressed air
- ✓ Alternating use of varnishing tools with other systems is not recommended
- ✓ Use V-101 Thinner to thoroughly clean tools and work surfaces
- ✓ Collect cloths, sponges, filter mats, polishing pads, abrasives, varnish dust, sanding dust, soiled work clothes etc. in fire-safe containers and dispose of correctly

Personal protective equipment

- ✓ Wear safety glasses, safety gloves and safety boots
- ✓ A2/P2 respiratory mask required
- ✓ Use extraction, always apply varnish in the direction of the extraction

Safety/regulations

- ✓ External test certificates and sustainability data sheets are available as extra literature for the product range (emission properties, ingredients etc.)

Storage/shelf life

- ✓ The temperature must not fall below 5 °C during storage and transport
- ✓ Observe the shelf life information on the container label
- ✓ Ventilate storage areas, observe the requirements for fire and explosion protection

Preservation/maintenance

- ✓ Use the Remmers Maintenance Kit for Oiled Surfaces
- ✓ Damp-clean with soapy water, avoid leaving residues
- ✓ Lint-free soft cleaning cloths, do not use microfibre
- ✓ Repair damage immediately
- ✓ Do not use furniture care products containing silicone or wax; check compatibility in a concealed area before use

Oils and hard wax sealers
Coating systems

Range of use	System structure	Property profile/advantages
Highly durable 1K sealant with an oil effect: all areas including kitchens, bathrooms & stairs, all wood types	▪ If needed: OB-008 (for colour finishes) ▪ HWS-112 clear (can be tinted for particularly intensive colours) ▪ HWS-112 clear	▪ As attractive as an oil - as reliable as a varnish ▪ Ultra-natural, cloth matt finish and very high durability ▪ Versatile application: roller & spraying ▪ Multiple certifications: e.g. slip resistance R10, IMO for ship interior finishing
Highly durable 1K sealant with an oil effect based on renewable raw materials: all areas including kitchens, bathrooms & stairs, all wood types	▪ If needed: OB-008/HSO-118 [eco] pigmented (for colour finishes) ▪ Aqua HWS-712 [eco] clear / grain+ / natural effect* ▪ Aqua HWS-712 [eco] clear / grain+ / natural effect* * Optional: +Aqua VGA-485 for an additional durability boost (tabletops etc.)	▪ As attractive as an oil - as reliable as a varnish ▪ Versatile application: roller & spraying ▪ Ultra-natural, cloth matt finish and very high durability ▪ Efficient coating process thanks to fast drying ▪ For public areas: fire resistant ▪ Based on renewable raw material & vegan ▪ VOC-free: for sustainable construction & healthy living
Durable, clear oil surface finish based on renewable raw materials: wooden floors, furniture & interiors, in just one coat	▪ HSO-118 [eco] clear + OH-180 [eco] ▪ Repeat if necessary (more exposed areas, absorbent wood types)	▪ Efficient application in just one coat as 2K variant ▪ Excellent emphasis of the grain for an organic wood finish ▪ Excellent emission properties for healthy living environments ▪ Anti-static: does not attract dust ▪ Multiple certifications: e.g. slip resistance
Durable, coloured oil surface finish based on renewable raw materials: wooden floors, furniture & interiors, in just one coat	▪ HSO-118 [eco] coloured + OH-180 [eco] ▪ If needed: HSO-118 [eco] clear (for surfaces subjected to heavy stresses)	▪ 3in1 oil: stain, oil and wax sealing coat ▪ Efficient application in just one coat as 2K variant ▪ Excellent emphasis of the grain for an organic wood finish ▪ Excellent emission properties for healthy living environments ▪ Anti-static: does not attract dust ▪ Multiple certifications: e.g. slip resistance

Stains

With the modular, highly flexible stain concept from Remmers, the sky's the limit when it comes to choosing colours. With just 3–4 different coloured base stains that can be mixed with one another in any ratio, you can produce wood stains in a wide variety of colour shades that are the perfect match for the species of wood you want to stain. Remmers concentrates mainly on water-based staining concepts that work equally well with both water-based and solvent-based coating systems.

The customer benefits in detail:

- ✓ Modular principle for stains
- ✓ For flexible production of stain colours by the applicator
- ✓ Perfectly harmonised with Remmers varnishes and oils

Recommended products

Aqua KB-004 Compact Stain
Water-based pigment stain for universal use

Aqua PB-006 Positive Stain
Water-based softwood stain for a pronounced positive effect

OB-008 Oil Stain

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

Aqua KWP-841 Lime-Based Pigment Paste
Water-based pigment preparation for decorative effects

Aqua KB-004 Compact Stain

Water-based pigment stain for universal use

Range of use	▪ Fine-pored wood such as beech, maple, cherry and walnut ▪ Pores are accentuated (e.g. rustic effect on oak and ash) ▪ Softwood stained without positive effect
Properties	▪ Highly concentrated combinations of pigments ▪ Lightfast ▪ Universal ▪ Colour intensity can be adjusted with water or clear product ▪ Very intense wood colouring when used undiluted
Application	▪ Spray application followed by spreading with a brush is recommended ▪ Flow cup gun: Nozzle: 1.0 - 1.6 mm, atomiser air pressure: 1.0 - 2.0 bar
Application rate	▪ 60 - 100 ml/m² (plus spraying loss)
Overcoating	▪ Overcoating: after approx. 2 - 3 hours

Quantity per pallet		**288**	**96**	**22**
Packaging unit		1 l	5 l	20 l
		Plastic bottle	Tin bucket	Tin bucket
Container code		01	05	20
Art. no.				
clear	3840	■		
wenge	3841	■		
rustic	3842	■		
mahogany	3843	■		
dark brown	3853	■		
special colours*	3857	■	■	■
(* For orders of ready-to-use stains according to customer specifications)				

Note: All colours can be mixed with one another

System products	Art. no.
Aqua TL-412	(2372)
Aqua 2HL-411/90	(3872)
Aqua HWS-712 [eco]	(5290)
Aqua SL-41X	
PUR-SL-21X	

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

rustic Art. no. 3842

MR with water (1:1) FT24018

MR with water (1:7) FT24022

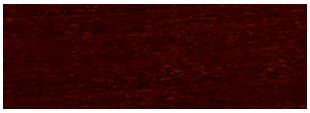
MR with water (1:40) FT24026

mahogany Art. no. 3843

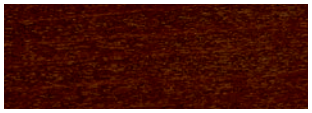
MR with water (1:1) FT24019

MR with water (1:7) FT24023

MR with water (1:40) FT24027



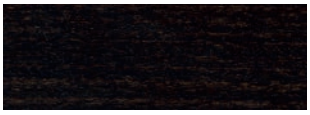
dark brown Art. no. 3853



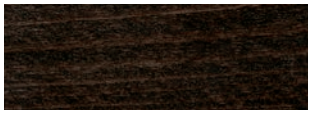
MR with water (1:1) FT24020

MR with water (1:7) FT24024

MR with water (1:40) FT24028



wenge Art. no. 3841



MR with water (1:1) FT24021

MR with water (1:7) FT24025

MR with water (1:40) FT24029

Aqua PB-006 Positive Stain

Water-based softwood stain (reactive pigments for a pronounced positive effect)

Range of use	▪ Softwood: strong emphasis of the hard annual rings ▪ Textured softwood ▪ Hard wood (e.g. beech and oak): for emphasising the grain
Properties	▪ Base colours for the production of ready to use stains ▪ Colour intensity can be adjusted using Aqua PB-006 ▪ Pronounced positive effect, strong emphasis of the hard annual rings ▪ Compatible with both solvent- and water-based varnishes
Application	▪ Flow cup gun: Nozzle: 1.0 - 1.6 mm, atomiser air pressure: 1.0 - 2.0 bar ▪ Do not apply forced drying
Application rate	▪ 80 - 120 ml/m²
Overcoating	▪ Overcoating: after approx. 1 - 4 hours

Quantity per pallet		**288**	**96**
Packaging unit		1 l	5 l
		Plastic bottle	Plastic canister
Container code		01	05
Art. no.			
special colours*	3789	■	■

(* For orders of ready-to-use stains according to customer specifications)

System products	Art. no.
Aqua NEL-419/05	(5309)
PUR RHE-217	(1957)
Aqua TL-412	(2372)
PUR SL-21X	
Aqua SL-41X	

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

red brown	**MR with water (1:1)** FT24051	**MR with water (1:3)** FT24055	**MR with water (1:7)** FT24059
yellow green	**MR with water (1:1)** FT24052	**MR with water (1:3)** FT24056	**MR with water (1:7)** FT24060
anthracite	**MR with water (1:1)** FT24053	**MR with water (1:3)** FT24057	**MR with water (1:7)** FT24513
white	**MR with water (1:1)** FT24054		

OB-008 Oil Stain

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

Range of use	▪ Especially for use on softwood and coarse-pored wood (e.g. oak) ▪ For use under finishes on an oil, wax or alkyd resin base
Properties	▪ Ready-to-use base colours that can be mixed with each other ▪ Long open time for streak-free application (on large surfaces)
Certificates/test standards	▪ Approval as surface coating system for parquet and wood flooring
Application	▪ Application by roller, brush, spreader or pad ▪ Remove excess material with a lint-free cotton cloth after approx. 20 - 30 min ▪ Attention: observe the information on self-ignition!
Application rate	▪ 40 - 80 ml/m² (depending on absorbency and final sanded finish)
Overcoating	▪ Dust-dry: after approx. 4 hours ▪ Spray overcoating: after approx. 6 hours ▪ Overcoating with roller: after approx. 14 hours

Quantity per pallet		**640**	**96**
Packaging unit		1 l Tin bucket	5 l Tin bucket
Container code		01	05
Art. no.			
clear (pre-filling: 90%)	2787	■	
brilliant white (RC-995)	2788	■	
nutwood (RC-660)	2789	■	
light oak (RC-365)	2790	■	
teak (RC-545)	2791	■	
ebony (RC-790)	2792	■	
silver grey (RC-970)	2793	■	
Special colours	2794	■	■

System products	**Art. no.**
HWS-112	(1826)
HSO-118 [eco]	(7708)
Aqua HWS-712 [eco]	(5290)

REMMERS GmbH
49624 Löningen
Emissionsgeprüftes Bauprodukt nach AgBB
Z-157. 10-53

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

light oak (RC-365)

teak (RC-545)

nutwood (RC-660)

ebony (RC-790)

brilliant white

silver grey (RC-970)

Examples of customised modern shades (e.g. on oak)

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

1 part **light oak (RC-365)**
1 part **brilliant white**

1 part **teak (RC-545)**
1 part **brilliant white**

2 parts **nutwood (RC-660)**
1 part **brilliant white**

2 parts **brilliant white**
1 part **nutwood (RC-660)**

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

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

1 part **brilliant white**
1 part **ebony (RC-790)**

Aqua KWP-841 Lime-Based Pigment Paste

Water-based pigment preparation for creating decorative effects on wood

Range of use	■ Interior wood ■ Furniture and interior fittings ■ Wooden floors and stairs ■ Textured softwood ■ Coarse-pored wood such as oak or ash
Properties	■ Ready to use ■ Intense colouring ■ Mild odour ■ Long open time for streak-free application (on large surfaces) ■ Fast drying ■ Easy to sand
Application	■ Brush application, roller application or spraying ■ Flow cup gun: Nozzle: 2.0 - 2.5 mm, atomiser air pressure: 2.0 - 3.0 bar ■ Distribute with a putty knife or cloth ■ Remove excess product by sanding with P 240 - 320 after drying ■ Finish with a suitable system product
Application rate	■ 60 - 120 ml/m² depending on the desired effect
Overcoating	■ Overcoating: after approx. 1 hour

Quantity per pallet		**672**
Packaging unit		0.75 l
		Tin bucket
Container code		01
Art. no.		
white	3210	■

System products	Art. no.
HWS-112	(1826)
Aqua HWS-712 [eco]	(5290)
Smoothing spatula	(4788)
Clear PUR varnishes	
Clear Aqua varnishes	

Get it done the right way

To achieve the best possible result, please take note of the following tips for solvent-based coating systems:

Range of use

- ✓ High-quality furniture
- ✓ Seating and upholstered furniture
- ✓ Ship interior finishing
- ✓ Shop fitting and exhibition stand construction
- ✓ Colourful toys and furniture
- ✓ Solid wood & veneers

Properties

- ✓ Cost-effective, contemporary surface finishes
- ✓ Good light-fastness
- ✓ Levelling effect when applied by spraying
- ✓ Emphasises the pores when applied with dispersal
- ✓ Based on pigments and/or dyes
- ✓ Positive effects on softwood
- ✓ Imitates noble wood colours and smoky effects

Preparation

- ✓ Careful selection of veneer and wood
- ✓ Brush out wood with large pores
- ✓ Water, bleach if necessary
- ✓ If necessary, remove residues of glue and veneer tape
- ✓ Graded, fine sanding of the bare wood, then remove dust
- ✓ Wood moisture content 8-12%, relative humidity 45-65%
- ✓ Recommended temperature of the substrate, material and air approx. 18 to 25 °C
- ✓ Create stain sample - final colour only achieved when coated with the clear varnish selected for the product

Application/tips on use

- ✓ Stir carefully before and during application
- ✓ Only use suitable additives and clean water
- ✓ Use a sieve/filter when filling the varnish application device
- ✓ Use suitable tools
- ✓ Substrates with large differences in absorption: saturate or wet with Aqua KB-004 clear
- ✓ On absorbent wood: Use Aqua V-490 to adjust Aqua stains
- ✓ Spray fine-pored wood (beech, maple, birch, cherry) as dry as possible, do not exceed the fibre saturation point
- ✓ Spray positive stains (Aqua PB-006) until fully saturated, do not apply forced drying
- ✓ Use Aqua KB-004 or NC HB-005 by dispersal or wiping to emphasise the pores
- ✓ Do not sand (through) stains
- ✓ Do not use on large areas, e.g. wooden floors. Use OB-008 Oil Stain or HSO-118 High Solid Oil [eco] pigmented for this purpose

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 hardener components.

The customer benefits in detail:

- ✓ Helpers for daily working
- ✓ Tried and tested
- ✓ Perfectly harmonised with Remmers varnishes and oils

Recommended products

Induline 2K Filler
For levelling out deep uneven areas

MultiBond Express
Clear, universal, high-strength PUR adhesive

MultiSil
Universal, alkoxy-crosslinking silicone sealant

Patent Disperser
Stirring tool for mixing in hardener components

Induline 2K Filler

For levelling out deep uneven areas

Range of use	■ Interior and exterior wood ■ Windows, doors, laminated wood, furniture etc. ■ Other substrates: Sheet steel, cast iron and aluminium, chipboard ■ Unsuitable substrates: - Substrates that can be dissolved by nitrocellulose thinner (e.g. acrylic coatings) - Galvanised and hot-dip galvanised sheet metal - Reactive primer (wash primer), synthetic resin or nitrocellulose combination primer, because adhesion difficulties are expected on these substrates- Tropical woods such as teak and palisander contain substances that can significantly delay or even prevent the hardening of polyester
Properties	■ Elastic, two-component, fine filler on a polyester base ■ Reduced styrene content ■ Easy to smooth off ■ Good build ■ Easy to sand ■ Low volume shrinkage
Preparation	■ Thoroughly mix the desired quantity of filler with approx. 2% hardener paste and use within 4 – 5 minutes
Application	■ Application with a filling knife ■ When applying filler to exterior wood, spalling may generally occur due to swelling and shrinkage of the wood ■ After 20-25 minutes hardening time, Induline 2K filler can be dry-sanded.
Application rate	■ As needed
Overcoating	■ Overcoating after 15 - 20 minutes

Quantity per pallet		**1104**
Packaging unit		500 g
		Tin can
Container code		01
Art. no.		
spruce	3261	■

System products

Remmers interior wood coatings

Induline coating system

Stain & varnish systems for decorating & woodworking

MultiBond Express

Clear, universal, high-strength PUR adhesive

Range of use	■ Interiors and exteriors ■ Universal ■ Wood, metal, ceramics, PVC, polystyrene and glass ■ Assembling furniture, panels, moulding and door linings ■ Gluing wooden windows and doors
Properties	■ Single-component ■ Solvent-free ■ High adhesive strength, no staining ■ Invisible bonds ■ Water-resistant according to DIN EN 204: D4 ■ Does not run off, evens out surface irregularities
Application	■ Application with a sealant gun ■ 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 ■ The material can be applied in dots or in a strip
Application rate	■ Approx. 5 - 15 g/m² if applied in strips, approx. 50 g/m² in dots

Quantity per pallet		**1200**
Packaging unit		15 × 310 ml
		Cartridge
Container code		15
Art. no.		
clear	1571	■

System products

Remmers interior wood coatings

Induline coating system

Stain & varnish systems for decorating & woodworking

MultiSil

Universal alkoxy-crosslinking silicone sealant

Range of use	▪ Glazing work – especially in wood window manufacturing ▪ Expansion and connection joints in construction and sanitary areas ▪ Roof waterproofing ▪ Food production areas ▪ Sheet metal and metal construction ▪ Interior finishing, parquet etc. ▪ Mirror and plexiglass mounting ▪ Suitable for use in clean rooms and room ventilation systems
Properties	▪ Highly abrasion-resistant and streak-free as per ift guideline VE-04/2 ▪ Coating-compatible as per DIN 52452, Part 4 ▪ Film preserver protects against microbial damage ▪ Extremely strong adhesion ▪ Can be used on many substrates without an adhesive primer ▪ Very low emissions (GEV-EMICODE EC 1Plus) ▪ Fire resistant ▪ Complies with the principles for health assessment of construction products in interiors (AgBB scheme)
Tools/cleaning	▪ Hand-held and compressed air guns, filling knife, adhesive tape
Application rate	▪ Approx. 100 ml/running metre for a 1 cm² joint cross-section
Yield	▪ 310 ml - 3 m

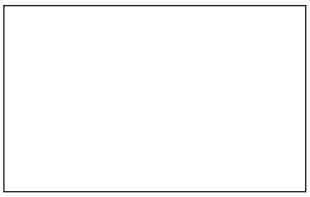
Quantity per pallet		**1056**	**864**
Packaging unit		12 × 310 ml Cartridge	12 × 600 ml Aluminium bag
Container code		01	60
Art. no.			
window grey	27378	■	■
cement grey	27379	■	
transparent	27380	■	■
white	27381	■	■
medium brown	27382		■
brown	27385	■	
dark brown	27386	■	■
black	27387	■	■
manhattan	27388	■	■
dark grey	27390	■	■
light grey	27391	■	■
medium grey	27392	■	■
oregon	27395		■
special colours*	27389	■	■

* possible colours, purchase quantities and delivery times on request

window grey

cement grey

transparent



white

medium brown

brown

dark brown

black

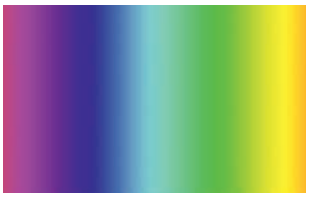
manhattan

dark grey

light grey

medium grey

oregon



Special colours (possible colours, purchase quantities and delivery times on request)

Patent Disperser

Stirring tool for mixing in hardener components

Range of use	▪ Homogeneous stirring of liquid products ▪ Blister-free mixing of 2K products
Properties	▪ Stable design ▪ Fits in any drill from 10 mm drill chuck holder ▪ Polygonal mixing head with outlets for flow optimisation

Quantity per pallet		**1200**
Packaging unit		1 pc
Container code		01
Art. no.		
4747	Ø approx. 10 cm, length approx. 53 cm	■
4748	Ø approx. 6 cm, length approx. 37 cm	■

System products

Reaction resins

Paints/varnishes

All the essentials – our workshop posters

Wood varnishes and oils for joiners and carpenters

Big format, big impact: On our workshop posters, our customers can find the relevant products and the associated systems along with their key parameters at a glance. Each page is dedicated to either water-based or solvent-based coatings. The oils and waxes are also listed on both pages. The posters are available from our specialist representatives.

For a digital version of the poster, scan the QR code

Product overview

Aqua 2CL-442 2K Colour Opaque 4 in 1 ____ 28
Aqua 2HL-411/90 High Gloss Varnish ____ 15
Aqua 2IF-437-2K Sealing Filler ____ 25
Aqua 2SL-452-2K Finish ____ 14
Aqua CL-440 Colour Opaque ____ 26
Aqua CL-445 Colour Opaque 4 in 1 ____ 27
Aqua FKL-402 Joint Filler Liquid ____ 16
Aqua H-484 Hardener ____ 32
Aqua HWS-712 Hard Wax Seal [eco] ____ 82
Aqua IF-431-1K Sealing Filler ____ 24
Aqua KB-004 Compact Stain ____ 94
Aqua KWP-841 Lime-Based Pigment Paste ____ 97
Aqua MM-825 Matting Agent ____ 39
Aqua MSV-403 Parquet Primer ____ 17
Aqua NEL-419/05 Natural Effect Varnish ____ 11
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We drive tomorrow's products and services forward. And strive for sustainable development. Because we know from over 75 years of experience: Progress comes from getting things done, success comes from getting things done, the future comes from getting things done.

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Guiding principle of Bernhard Remmers, founder

Remmers is one of the leading specialists for construction chemicals, wood paints and coatings, and industrial coatings. Founded in 1949 by Bernhard Remmers, we are an independent and owner-managed family business to this day. Our head office is located in the German town of Löningen in the Lower Saxony region – this is where we have our roots. At the same time, we have an international presence with 18 subsidiaries.

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2038/04.25

We are there for you with a fast and personal response.

Find your local contact

Find out what we can get done for you:

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