



Aqua SL-418 Finish

Transparent, single-component finish with high durability



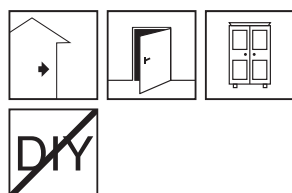
Colour	Availability		
	Quantity per pallet	96	22
	Size / Quantity	5 l	20 l
	Type of container	Tin bucket	Tin bucket
	Container code	05	20
	Art. no.		
Aqua SL-418/10 dull matt			
clear	5310	■	■
Aqua SL-418/20 matt			
clear	5311	■	■
Aqua SL-418/30 semi-matt			
clear	5312	■	■
special colours	5314	■	■
Aqua SL-418/50 silk gloss			
clear	5313	■	■

Application rate

100 - 120 ml/m² per coat



Range of use



- Interior wood
- Primer & top coat
- Solid wood & veneers
- Living room & bedroom furniture
- Interior finishing work: e.g. panels, borders, cladding & interior doors
- Shop fitting and trade fair stands
- As a glass lacquer (in combination with Aqua VGR-485)
- Topcoat for Aqua coloured varnishes
- For use by professionals



Property profile



- Water-based lacquer that can be sprayed to give an even layer (no milky wet film)
- Good sanding properties
- Good block resistance
- Good flow properties
- Elegant pore pattern
- Resistant to chemicals: DIN 68861, 1B
- Good resistance to a wide range of commercially available hand creams
- Excellent emphasis of the grain
- Lightfast
- Surfaces show no tendency to become glossy
- Pleasant feel
- Fire resistant
- 2K-Ready: further, isocyanate-free increase of chemical, disinfectant, abrasion & scratch resistance as well as adhesion to glass by adding 2% of Aqua VGA-485.

Characteristic data of the product

Binder	Acrylate dispersion
Density (20 °C)	Approx. 1.05 g/cm ³
Odour	Characteristic

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Certificates

- [DIN EN 71-3 'Safety of Toys'](#)
- [Contact with food products](#)
- [EC type examination certificate, module B \(IMO certification\)](#)
- [Classification of reaction to fire accordance with EN 13501-1:2018](#)
- [French VOC Emission Test](#)

Test standards

DIN 68861, 1B Chemical resistance

Additional information

- [Care instructions for varnished furniture](#)

Possible system products

- [Aqua VGA-485 Cross-Linking Agent & Glass Lacquer Additive \(3256\)](#)
- [SM-820 Texturing Agent \(1942\)](#)
- [Aqua V-490 Retarder \(1939\)](#)
- [Aqua MM-825 Matting Agent \(3875\)](#)
- [Aqua KB-004 Compact Stain \(3840\)](#)
- [Aqua BB-007 Brilliant Stain \(2030\)](#)
- [Aqua PB-006 Positive Stain \(3882\)](#)
- [Aqua CL-440 Colour Opaque \(3802\)](#)

Preparation

- **Substrate requirements**

The substrate must be clean, dry, free of dust, grease and loose substances, and prepared in the correct manner.

Wood moisture content: 8-12%
- **Substrate preparation**

Wash off greasy or resin-rich woods/substrates with WV-891 or V-890.

Clean glass using V-890 or UN-894.

Sand wood using P 100 - 180 grit.

Sand panels using P 180 - 320 grit.

Sand lacquer using P 240 - 320 grit.



If colouring is desired, stain the substrate using Aqua KB-004, Aqua BB-007 or Aqua PB-006.

Directions



■ Conditions for use

Temperature of the material, air and substrate: from min. +18 °C to max. +25 °C.

Stir well.

Spray.

Flow cup gun: nozzle size: 2.0 - 2.5 mm; atomiser air pressure: 2.0 - 3.0 bar.

Airless spraying: nozzle size: 0.23 - 0.28 mm, material pressure: 80 - 120 bar.

Airmix spraying: nozzle size: 0.23 - 0.28 mm, material pressure: 80 - 100 bar, atomiser air pressure: 1.2 - 2 bar.

After drying and intermediate sanding (P 320 - 400), apply a second coat of the product. Repeat the process if necessary.

Seal opened containers well and use contents as soon as possible.

Tips on use



Check colour, adhesion and compatibility with the substrate by setting up a trial area. Before coating technically modified woods and wood-based materials, apply the coating to a trial surface and conduct a suitability test on the desired area of use.

For a transparent coating over surfaces coated with a coloured varnish, we recommend adding 5-10% Aqua Colour Varnish in the desired colour to the clear varnish.

■ Drying

Dust-dry: after approx. 1 hour

Overcoating: after approx. 4 hours

Can be stacked: after drying overnight

Practice values at +20 °C and 65% relative humidity.

Low temperatures, poor ventilation and high humidity delay drying.

■ Thinning

Ready to use; if necessary dilute with max. 5% water and/or add max. 3% V-490 as a retarding agent.

Notes

Please refer to the relevant test reports/certificates and the Technical Data Sheet for information on certified products and configurations.

To preserve the quality of the surface, we recommend regular cleaning and care using a lint-free cotton cloth. Please use solvent-free and silicone-free cleaning agents.

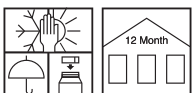
Tools / Cleaning



Airless/airmix spraying equipment, flow cup gun

Clean tools with water or Aqua RK-898 Cleaning Concentrate immediately after use. Ensure that any residue from cleaning is disposed of correctly.

Storage / Shelf life



If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for at least 12 months.

Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.



Personal protective
equipment

Respiratory protection with at least an A/P2 combination filter must be worn during spraying, together with safety goggles. Wear suitable protective gloves and clothing.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

VOC content as per the
"Decopaint" Directive
(2004/42/EC)

EU limit value for the product (Cat. A/e): max. 130 g/l (2010).
This product contains < 130 g/l VOC.

VOC	
Kat.	A/e
2010:	130g/l
max.:	130g/l

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the

prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never

be binding, even though it is provided to the best of our knowledge. In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.