



# Aqua CL-440 Colour Opaque

Fire-resistant, light-fast, durable 1K colour varnish



| Colour                          | Availability           |               |              |            |             |
|---------------------------------|------------------------|---------------|--------------|------------|-------------|
|                                 | Quantity per pallet    | 672           | 200          | 96         | 22          |
|                                 | <b>Size / Quantity</b> | <b>0,75 l</b> | <b>2,5 l</b> | <b>5 l</b> | <b>20 l</b> |
|                                 | Type of container      | Tin bucket    | Tin bucket   | Tin bucket | Tin bucket  |
|                                 | Container code         | 01            | 03           | 05         | 20          |
|                                 | <b>Art. no.</b>        |               |              |            |             |
| <b>Aqua CL-440/20 matt</b>      |                        |               |              |            |             |
| white (RAL 9016)                | 3876                   | ■             | ■            | ■          | ■           |
| pure white (RAL 9010)           | 3877                   |               |              | ■          | ■           |
| special colours                 | 3878                   | ■             | ■            | ■          | ■           |
| Base C (pre-filling: 85%)       | 015093                 |               |              | ■          | ■           |
| <b>Aqua CL-440/30 semi-matt</b> |                        |               |              |            |             |
| white (RAL 9016)                | 3802                   | ■             | ■            | ■          | ■           |
| pure white (RAL 9010)           | 3803                   |               |              | ■          | ■           |
| special colours                 | 3805                   | ■             | ■            | ■          | ■           |
| Base C (pre-filling: 85%)       | 015038                 | ■             | ■            | ■          | ■           |

**Application rate** 120 - 150 ml/m<sup>2</sup> per coat



**Range of use**



- Wood and wood-based materials
- High-quality furniture
- Interior finishing work: e.g. panels, borders, cladding & interior doors
- Especially suitable for use on surfaces that have been pre-treated with Remmers Aqua fillers
- As a glass lacquer (in combination with Aqua VGA-485)
- For use by professionals

**Property profile**



- Single-component: simple and economical handling
- Can also be used on vertical surfaces
- Good flow properties
- Good hiding power
- Quick-drying
- Short time until ready for stacking
- Good resistance to chemicals
- Good resistance to a wide range of commercially available hand creams
- Fire behaviour according to DIN EN 13501-1: B-s1,d0 on suitable substrates
- Suitable for interior finishing of ships (IMO)
- Lightfast
- 2K-ready: add 2% Aqua VGA-485 to improve the resistance to chemicals and scratches, as well as adhesion to glass and primer films

**Characteristic data of the product**



|                 |                               |
|-----------------|-------------------------------|
| Binder          | Acrylate/PU dispersion        |
| Density (20 °C) | 1.04 - 1.16 g/cm <sup>3</sup> |
| 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 "Migration of certain elements"](#)
- [EC type examination certificate, module B \(IMO certification\)](#)
- [Classification of fire behaviour according to DIN EN 13501-1 \(B-s1, d0\)](#)
- [DIN EN 71-9 "Organic chemical compounds - Requirements"](#)
- [French VOC Emission Test](#)

**Test standards**

DIN 68861-1B Resistance to chemicals with restrictions (excluded: colouring substances & solvents)  
 Low emissions under the AgBB scheme

**Additional information**

- [Maintenance instructions for varnished furniture](#)

**Possible system products**

- [Aqua VGA-485 Cross-Linking Agent & Glass Lacquer Additive \(3256\)](#)
- [Aqua PF-430 Pigment & Sealing Filler <sup>\[fac\]</sup> \(3265\)](#)
- [Aqua SL-418 Finish \(5310\)](#)
- [Aqua TL-412 Stair Varnish \(2372\)](#)
- [SM-820 Texturing Agent \(1942\)](#)
- [Aqua V-490-Retarder \(1939\)](#)
- [Aqua MM-825 Matting Agent \(3875\)](#)
- [UMA-824 Universal Metal Adhesion Additive \(3249\)](#)

**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. Use UN-894 indoors on the construction site. Ensure good ventilation for solvents.  
 Clean glass using V-893.  
 Thoroughly sand any old coatings that are still intact.  
 Sand wood using P 100 - 180 grit.  
 Sand panels using P 180 - 320 grit.  
 Sand filler using P 240 - 320 grit.

**Directions**



- **Conditions for use**  
 Temperature of the material, air and substrate: from min. +18 °C to max. +25 °C.
- Stir well.
- Spray.
- Apply by roller or brush (only when diluted).
- 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.
- Carry out intermediate sanding (P 240 - 320) before subsequent coats.
- 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 product to a trial surface and conduct a suitability test on the desired area of use.
- On non-wood substrates such as glass, sanded priming films, melamine resins and PU paints, adhesion can be significantly improved by adding Aqua VGA-485. Owing to the large number of possible material variants, careful checking must be carried out prior to application.
- To ensure optimum resistance to metal rings and to improve the resistance to chemicals, we recommend coating with a suitable, light-fast clear varnish.
- If using as a transparent topcoat on surfaces with a colour varnish (improved resistance to metal rings and durability), one coat is sufficient. When applying over a colour varnish, add 5-10% of the Aqua colour varnish to the clear varnish in order to counteract colour changes.
- **Drying**  
 Dust-dry: after approx. 1 hour  
 Ready for overcoating: after approx. 4 hours  
 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 use max. 3% V-490 as a retarding agent.

**Notes**

DIN EN 71-3 "Migration of certain elements":

This product complies with the limits for the migration of heavy metals to children's toys according to DIN EN 71-3 and thus fulfils one of several further requirements for the safety of children's toys according to the EU "Toy Directive" (2009/48/EC).

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.

For applications in accordance with the Marine Equipment Directive, the maximum wet application quantity is 3 x 150 µm.

**Tools / Cleaning**

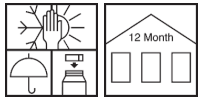


Airless/Airmix spraying equipment, flow cup gun, acrylic brush, foam roller

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 a particle filter P2 must be worn during spraying, together with protective 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.

**Biocidal Products Regulation**

Contains a biocidal product (in-can preservative) with the biocidal agents CMIT/MIT (3:1) for protecting the container content from deterioration by microbial organisms (germs, yeast, etc.). Please note the processing guidelines carefully!

**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.