



# Aqua CL-440 Colour Opaque

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



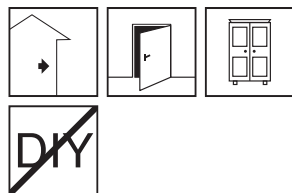
Colour	Availability			
	Quantity per pallet	672	200	96
	Size / Quantity	0,75 l	2,5 l	5 l
	Type of container	Tin bucket	Tin bucket	Tin bucket
	Container code	01	03	05
	Art. no.			
<b>Aqua CL-440/20 matt</b>				
white (RAL 9016)	3876	■	■	■
pure white (RAL 9010)	3877			■
special colours	3878	■	■	■
<b>Aqua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

## 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
- Shop fitting and trade fair stands
- 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 resistant
- Lightfast
- 2K-ready: add 2% Aqua VGA-485 for additional, isocyanate-free improvement of 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"](#)
- [Classification of fire behaviour according to DIN EN 13501-1 \(B-s1, d0\)](#)
- [DIN EN 71-9 "Organic chemical compounds - Requirements"](#)
- [EC type examination certificate, module B \(IMO certification\)](#)
- [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 PF-430 Pigment Filler <sup>\[iac\]</sup> \(3265\)](#)
- [Aqua IF-431-1K-Isolierfüller \(3217\)](#)
- [Aqua VGA-485 Cross-Linking Agent & Glass Lacquer Additive \(3256\)](#)
- [Aqua V-490 Retarder \(1939\)](#)
- [SM-820 Texturing Agent \(1942\)](#)
- [UMA-824 Universal Metal Adhesion Additive \(3249\)](#)
- [Aqua MM-825 Matting Agent \(3875\)](#)
- [Aqua TL-412 Stair Varnish \(2372\)](#)

#### 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.  
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 coating 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.

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

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

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

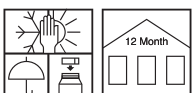


Airless/Airmix spraying equipment, flow cup gun, acrylic brush, foam roller

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 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.