



Aqua 2CL-442 2K Colour Varnish

Light-fast 2K colour varnish for highly durable coatings



Colour	Availability			
	Quantity per pallet	672	96	22
	Size / Quantity	0,75 l	5 l	20 l
	Type of container	Tin bucket	Tin bucket	Tin bucket
	Container code	01	05	20
	Art. no.			
10 dull matt				
white (RAL 9016)	5505	■	■	■
RAL 9010	5506		■	■
special colours	5507	■	■	■
base C (pre-filling: 92%)	015243	■	■	■

Application rate 120 - 150 ml/m² per coat



Range of use



- Wood and wood-based materials
- High-quality furniture and fittings
- Exclusive interior fixtures, kitchen and bathroom furniture
- Especially suitable for use on surfaces that have been pre-treated with Remmers Aqua fillers
- For use by professionals

Property profile



- Can also be used on vertical surfaces
- Good flow properties
- Good hiding power
- Very high resistance to metal rings
- Excellent resistance to chemicals
- Good resistance to a wide range of commercially available hand creams
- Lightfast
- Does not become glossy

Characteristic data of the product

Binder	Acrylate/PU dispersion
Density (20 °C)	1.04 - 1.16 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.

Test standards DIN 68861-1B Chemical resistance with restrictions (excluded: colouring substances & solvents)

Additional information > [Sustainability Data Sheet](#)

Possible system products

- > [Aqua H-484 Hardener \(5500\)](#)
- > [Aqua 2SL-452 2K Finish \(5501\)](#)
- > [Aqua 2IF-437-2K Sealing Filler \(3216\)](#)
- > [Aqua V-490-Retarder \(1939\)](#)
- > [Aqua 2HL-411/90-2K High Gloss Varnish \(3872\)](#)



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.

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.

Production of the mixture



■ **Mixing**

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.

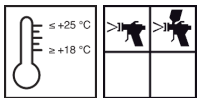
If necessary, dilute the varnish/hardener mixture with max. 10% water.

Processing time max. 4 hours under gravity, this may be shorter at higher temperatures.

When using a pressure vapourising process, e.g. airmix/airless, the application time is reduced to max. 30 minutes. If work is interrupted, depressurise the material feed and relieve the pressure on pumps and spray guns.

When working with admixtures and additives, please read the Technical Data Sheet for the system product.

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.

Carry out intermediate sanding (P 240 - 320) immediately before applying another coat.

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.

Prior to full application, please apply a test coat to a sample area under practical conditions using the desired system, then test or examine the surface properties.

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 optimum durability of the finished surface, a room temperature of at least 20 °C should be maintained during the drying and curing phase (>48 hours).

Substrate-specific coating recommendations can be obtained using the system finder on our website www.remmers.com.

■ **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 approx. 10% water and/or retard with approx. 3% V-490.

Notes

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 or airmix spraying equipment

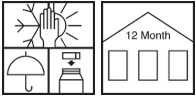
Clean tools with cold water or Aqua RK-898 Cleaning Concentrate immediately after use.

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.

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/d
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.