



Technical data sheet

PROTECTION MADE EASY

Resomat Aqua

Description and destination of the product

Resomat Aqua is a waterborne, mat acrylic polyurethane lacquer with an excellent flow, scratch resistance, uniform colour development, yellowing resistance, long open time and quick blocking.

Resomat Aqua is the ideal finishing coat on wood, ferro, non ferro and plastics, previously treated with a suitable primer.

Resomat Aqua is only recommended for inside applications.

Type of binder

Acrylic polyurethane resins.

Type of pigment

Titanium dioxide, chalk and silica

Colour

White and colours thanks to the Colour Dispensing System.

Gloss

Mat: 60°: < 10 g.u.

85°: < 15 g.u.

Technical data

- **Density:** 1.26 (\pm 0.03) g/ml
- **Solids content:** 48 (\pm 2) % in weight
35 (\pm 2) % in volume
- **Drying times:**
 - Dustdry : After 1 hour
 - Dry : After 6 hours
 - Repaintable : After minimum 8 hours
 - Sandable : After 24 hours
 - Fully cured : Depending on the drying circumstances
after min 3 days
- **VOC:** < 110 g/L (not diluted)
< 130 g/L (diluted with 2 % *Aquathinner*)
- **Theoretical yield:** 9-12 m²/L
The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.

Surface preparation

On untreated wood or paint stripped not bleeding wood:

The surface must be dry, clean and pure in order to prevent film defects. Slight sanding before painting with an appropriate primer (*Resoprim Aqua*) promotes the adhesion. After drying, sand the primer slightly and eccentrically with a succession of Multiloch abrasive paper (first P220 followed by P320); corners and borders preferably only with P320 in order not to clear the surface by sanding. Dust thoroughly and make clean before applying the primer **Resomat Aqua**.

On untreated bleeding wood :

On wood such as afzelia, merbau, and others, the surface must first be treated with 2 layers of **Resofix**. Don't sand after applying the 2nd layer of **Resofix** (further info: see technical data sheet **Resofix**). After dusting and cleaning the primer, apply **Resoprim Aqua**.

Remark: bleeding wood that is already treated with another waterborne primer may not be treated with **Resofix**. In this case 1 to 2 layers **Zincomine** (white of base A dispenser colours) must be applied. After drying of the **Zincomine**, sand slightly without clearing the surface. Finish with **Resomat Aqua**.

On old acrylic and (urethane) alkyd layers :

Remove non adhering parts, then sand well and eccentrically with a succession of Multiloch sanding paper (P180, then P220 and finish with P320) and clean before repainting with the primer **Resoprim Aqua**; After slight sanding, dust and clean. Finish with **Resomat Aqua**.

On ferro and non ferro substrates :

Apply on a dry, clean and pure surface an appropriate primer (*Aquaprim*, *Aquabond*, *Zincomine*, *Durozin*) before finishing with **Resomat Aqua**.

On plastics :

Apply an appropriate primer on a dry, clean and pure surface before finishing with **Resomat Aqua**.

Use

Resomat Aqua can be applied by brush, roller or spraying pistol.
The product is ready for use but can be diluted with maximum 2 % **Aquathinner**.

Brush application: the product is ready for use.
Apply **Resomat Aqua** creamy with Chinex plus brush. Immediately afterwards, take away the paint equally to obtain a smooth result without sags.

Roller application: if desirable, the product can be diluted with 2 % **Aquathinner**

Method 1 (gives the best finishing degree en is therefore recommended)

Apply **Resomat Aqua** creamy in 2 times (wet in wet) and divide homogeneously with Modacryl roller (4 mm piled).

Roll with a Moltopreen roller, super fine with slantwise rounding off:

- 1st time directly after Modacryl application
- 2nd time 1 to 2 minutes later to obtain an optimal strong paint film

Method 2

Apply **Resomat Aqua** creamy in 2 times (wet in wet) and divide homogeneously with felt roller with fine structure (e.g. Anza Filt fine structure).

Roll as in method 1 with the same felt roller.

Application conditions

The surrounding temperature must be higher than 8°C and the relative humidity must be lower than 85 %.

Storage stability

Minimum 1.5 years in the original, unopened packing, stored in a dry and frost-free environment at temperatures between +5°C and +40°C.

Safety measure

For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet.

The last update of our technical data sheets is always available at our website: www.libertpaints.be

Disclaimer

The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Libert Paints doesn't guarantee the functionality or result and takes no responsibility in this respect.

We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises.

Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.