



# Technical data sheet

PROTECTION MADE EASY

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## Resolaq Aqua Mat

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### Description and destination of the product

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

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

**Resolaq Aqua Mat** is only recommended for inside applications.

### Type of binder

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Acrylic polyurethane resins.

### Type of pigment

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Titanium dioxide, chalk and silica

### Colour

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White and colours thanks to the Colour Dispensing System.

### Gloss

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Mat: 60°: < 10 g.u.  
85°: < 15 g.u.

## Technical data

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- **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 m<sup>2</sup>/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

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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 (**Resolaq Aqua Primer**) 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 **Resolaq Aqua Mat**.

On untreated bleeding wood :

On wood such as afzelia, merbau, and others, the surface must first be treated with 2 layers of a fixing product. Don't sand after applying the 2<sup>nd</sup> layer of a fixing product. After dusting and cleaning the primer, apply **Resolaq Aqua Primer**.

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

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 **Resolaq Aqua Primer**; After slight sanding, dust and clean. Finish with **Resolaq Aqua Mat**.

On ferro and non ferro substrates :

Apply on a dry, clean and pure surface an appropriate primer (**Multiprimer Aqua**, **Aquabond**, **Primer Resit Plus**, **Durozinc**) before finishing with **Resolaq Aqua Mat**.

On plastics :

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

## Use

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**Resolaq Aqua Mat** 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 **Resolaq Aqua Mat** 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 and is therefore recommended)*

Apply **Resolaq Aqua Mat** 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:

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

*Method 2*

Apply **Resolaq Aqua Mat** 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

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

## Storage stability

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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

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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](http://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.*