



Technical data sheet

PROTECTION MADE EASY

Resacryl

Description and destination of the product

Resacryl is a high quality waterborne, 100 % pure acrylic dispersion for outside walls.

Resacryl has the following properties:

- Very high outdoor durability (tested according to the Artificial Weathering "Global UV 200" and this during 200 cycles): no discoloration, no powdering, no cracking, no efflorescence was visible after 400 cycles charge
- Very high wet scrub resistance (ISO 11998): 2 µm (satin) – 3 µm (mat velouté)
 - According to norm: class 1: excellent wet scrub resistance < 5 µm after 200 scrub cycles
- Good water vapour permeability
 - System : primer **Surface Conditioner** – finishing coat **Resacryl**, 200 micron
 - Sd-value of the system mentioned above = 0.8 m
 - According to norm: Sd ≥ 1.4 m: low water vapour permeability
 - Sd ≥ 0.14 tot < 1.4 m: average water vapour permeability
 - Sd < 0.14 m: high water absorption
- Very low water absorption (EN 1062-3)
 - $W_{1h \text{ Resacryl}} = 0.02 \text{ kg (m}^2 \times \text{h}^{0.5}) \text{ (satin)}$
 - $= 0.08 \text{ kg (m}^2 \times \text{h}^{0.5}) \text{ (mat velouté)}$
 - $W_{24h \text{ Resacryl}} = 0.01 \text{ kg (m}^2 \times \text{h}^{0.5}) \text{ (satin)}$
 - $= 0.08 \text{ kg (m}^2 \times \text{h}^{0.5}) \text{ (mat velouté)}$
 - According to norm: class W3: ≤ 0.1 kg / (m² x h^{0.5}): low water absorption
- Very favourable W x Sd value:
 - W x Sd (**Surface Conditioner** / **Resacryl** (200 micron))
 - = 0.016 kg/m x h^{0.5} (satin)
 - = 0.050 kg/m x h^{0.5} (mat velouté)
 - The system **Surface Conditioner** / **Resacryl** has a very low water absorption (a low penetration of water through the coating) with preservation of a good water vapour permeability
- Resistance against diffusion of carbon dioxide-CO₂ (EN 1062-6)

Sd CO₂ **Resacryl** = 162 m (101 micron layer thickness)
According to norm: Sd CO₂ > 50 m : resistance against diffusion of CO₂

- Very low film tension
- Good elasticity

Type of binder

100 % pure acrylic dispersion.

Colour

White and colours of the Monicolor dispensing system.

Gloss

Satin or mat velouté

- satin: 20 ± 2 % (85°Gn, 90 micron measured on glass)
- mat silky: 5 ± 2 % (85°Gn, 90 micron measured on glass)

Technical data

- **Density:** 1.35 ± 0.1 g/cm³
- **Solids content:** 46 (± 2) % in volume
60 (± 2)% in weight
- **Drying times:** dustdry : 30 minutes
dry : 2 hours
overpaintable : 4 hours
- **Whasability:** Scrub class 1: excellent (DIN 13300)
- **VOC:** < 30 g/L (cat A/c)
- **Theoretical yield:** 6-10 m²/L (see use)
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

The surface must always be clean and dry. If there are damages, such as cracks that could result in water infiltration these must be treated with the appropriate means. Dust and other impurities must be removed with high pressure spraying pistol. Existing paint layers must be sufficiently adhering, if not they have to be removed with the appropriate means. Fungi, algae and mosses are to be removed with **Fungex** (use: see technical data sheet), followed by a thorough cleaning.

Wait until the surface is completely dry before applying the paint system.

When applied on other surfaces (zinc, PVC, ...) an appropriate primer has to be applied.

Use

New and/or powdering, non painted surfaces must first be impregnated with **Surface Conditioner** (use: see technical data sheet) or with **Aquafix** (use: see technical data sheet).

For less porous surfaces a first adhesion coat **Hydroprim** can be chosen in the approaching end colour.

For non porous and/or smooth and/or shiny surfaces, always ask advice beforehand.

The finishing can be done with **Resacryl** white or colour. The first layer must be diluted with 10% tap water and the second layer can be used undiluted.

Resacryl is ready for use with brush or roller.

Application conditions

Do not apply **Resacryl** at temperatures below 5°C and air humidity above 85 %.

Storage stability

Minimum 18 months in the original, unopened packing, stored in a frost-free environment.

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.