

# Aquavel

## TECHNICAL DATA SHEET



### Description of the product

**AQUAVEL** is an acrylic water based undercoat for multiple applications. It adheres strongly on the surface and creates excellent adhesion conditions for the final paint. It is easily applied and sandpapered. It is pleasantly applied due to its low odor and dries quickly.

### Recommended uses

It can be applied on surfaces of wood, metal (provided the surface is previously treated with the anticorrosive primer **PRIMETAL AQUA**), plaster, aluminum, glass, polyester, hard PVC etc and on surfaces coated with old paints. It is also used as an undercoat for surfaces that will be coated with water based enamels, such as **AQUALAC**.

### Technical characteristics

**Resin:** Acrylic

**Density:**  $1.37 \pm 0.041$  gr/ml

(EN ISO 2811.01, 20°C)

**Storage Viscosity:**  $115 \pm 15$  KU

(ASTM D 562, 25°C)

**Solids b.w.:**  $58 \pm 2\%$

(EN ISO 3251)

**Solids b.v.:**  $42 \pm 3\%$

(ISO 3233)

**pH:**  $8.9 \pm 0.5$

(ISO 976)

**VOC (Volatile Organic Compounds):** **AQUAVEL** belongs to the category A/g WB (Primers). EU Limit Value: 30 g/l. The ready to use product contains max. 24 g/l.

### Shades

Available in white.

### Properties

**Hiding power for SR 20 m<sup>2</sup>/Lt:** CR:  $91.5 \pm 0.5\%$

(ISO 6504.03)

**Adhesion (Cross Cut, on cement):** 0-1

(EN ISO 2409)

**Adhesion (Pull off on cement):** 2.5 MPa

(EN ISO 4624)

**Adhesion (Pull off, 1 coat AQUAVEL+1 coat AQUALAC):** 2.5-3 MPa

(EN ISO 4624)

**Resistance to liquids:** Excellent

(EN ISO 2812.01)

### Spreading rate

**Dry film thickness per coat:**  $65 \pm 5$   $\mu$ m.

**Spreading rate:**  $9 \pm 1.5$  m<sup>2</sup>/Lt, per coat.

### Application instructions

Surfaces are cleaned from dust and flaking parts are removed. **AQUAVEL** is applied in 1-2 coats. It can be sandpapered after 5 hours, though for better results it is recommended to sandpaper one day after the application. **AQUALAC** can be applied after approx. 6 hours.

**Application method:** Brush, roller, spray.

**Diluent:** Water.

**Thinning:** For application with brush, roller: Dilute up to 15% v/v.

For spraying: Dilute up to 35% v/v.

Tools are cleaned immediately after the application with plenty of soap and water.

### Drying time

**Dry to touch:** 20±5 minutes (ASTM D 1640).

**Dry through:** 60±10 minutes.

**Recoating time:** 5½±½ hours.

Drying and recoating time may be prolonged under conditions of low temperature and high relative humidity.

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### Coating system

After the application of **AQUAVEL** it is recommended to apply **AQUALAC**.

*Other systems may be applied, depending on the application.*

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### Packaging

It is available in 0.75Lt and 2.5Lt cans.

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### Storage

1 year, provided the cans remain closed and in normal storing conditions.

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### Health and safety

Please refer to the labeling mentioned on the can. In case more information is needed refer to the Material Safety Data Sheet.

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### Notes

- It is recommended not to apply the product at temperatures below 10°C.
- Avoid recoating after 5-10 minutes have elapsed from the application depending on the temperature and the relative humidity.
- Because it is an acrylic water-based product, **AQUAVEL** does not yellow.
- **AQUAVEL** does not contain lead in its formulation.
- **AQUAVEL** has good adhesion over **ULTRALAC** and old paints.

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This issue replaces all others*

