

# Aquatex

## TECHNICAL DATA SHEET



### Description of the product

**AQUATEX** is an acrylic emulsion 'luxury' paint, for walls treated with putty. It leaves a **velvet finish** (almost satin) with long-lasting whiteness. It creates a sense of luxury. Due to its special composition (lead-free, **resistant to washing and scrubbing**), it is strongly recommended for children's rooms, kitchens, hospitals, as well as **for sanitary facilities**. It may also be applied on surfaces previously coated with **ULTRALAC** or old enamel paints.

### Recommended uses

It is applied on interior walls, treated with putty.

### Technical characteristics

**Resin:** Acrylic resin

**Density (white):** 1.32±0.05 gr/ml (EN ISO 2811.01, 20°C)

**Production Viscosity:** 95±10 KU (ASTM D 562, 25°C)

**Storage Viscosity :** 105±20 KU (ASTM D 562, 25°C)

**Solids b.w.(white):** 57.5±2.5% (EN ISO 3251)

**Solids b.v.(white):** 46±3% (ISO 3233)

**pH:** 8.8±1 (ISO 976)

**Minimum Film Forming Temperature:** 2°C (ASTM D 2354)

**Packaging stability:** 10/10 (1 month, 50°C) (ASTM D 1849)

**Freeze-thaw stability (-10°C):** OK (ELOT 777)

**VOC (Volatile Organic Compounds):** **AQUATEX** belongs to the category A/a WB (Interior matt walls and ceilings). EU Limit Value: 30 g/l. The ready to use product contains max. 23 g/l.

### Shades

Available in white and in thousands of shades via the tinting system **CHROMASYSTEM**. It can also be tinted with **CHROTEX BASIC EMULSION COLORANTS** (percentage of addition up to 10% b.w.).

### Properties

**Hiding power for SR 20 m<sup>2</sup>/Lt:** CR: 93±1% (ISO 6504.03)

**SR for hiding power 98%:** 9.0±1 m<sup>2</sup>/Lt (ISO 6504.03)

**Hiding power for 8-10 m<sup>2</sup>/Lt:** Class 3 (EN 13300)

**Whiteness index:** ≥ 80 (ASTM E 313)

**Yellowing index:** ≤ 2.5 (ASTM E 313)

**Gloss 60°:** 19±6 Mid sheen (EN ISO 2813)

**Wet scrub resistance:** > 15000 cycles (EN 13300)

**Wet scrub resistance:** < 5 μm (ASTM D 2486)

Class 1 (EN ISO 11998)

(EN ISO 13300)

**Resistance to liquids (NaOH 5% b.w.):** No change is noted on the film (ISO 2814.04)

**Recoatibility:** No change is noted on the film (ELOT 788 § 5.4)

**Bend Test (Mandrel test):** 2 mm OK (EN ISO 1519)

**Adhesion (Pull off, cement board-Aquavel):** ≥ 2 Nt/mm<sup>2</sup> (EN ISO 4624)

**Adhesion (Cross cut, cement board-Aquavel):** 0 (EN ISO 2409)

**Exposure to fluorescent UV & Water :**  
1000 h: No change is noted on the film (EN ISO 16474.03)

### Spreading rate

**Dry film thickness per coat:** 30±3 µm.

**Recommended total dry film thickness:** 60±6 µm.

**Spreading rate:** 9±1 m<sup>2</sup>/Lt for complete hiding (2 coats), depending on the shade.

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### Application instructions

Surfaces are cleaned from dust and flaking parts are removed. Plastered surfaces are primed with **AQUAVEL** (water based undercoat for multiple applications), **PRIMEX A-300** (ecological water based primer) or **PRIMEX MICRO** (silicon acrylic water-based primer). Gypsum boards can be primed also with **PRIMEX ONE**. Gypsum plastered or dirty surfaces and ceilings are first coated with **MONOX** (insulating undercoat for difficult surfaces) or **MONOX AQUA** (water-based insulating undercoat).

**AQUATEX** is applied in 2 coats.

**Application method:** Roller of medium/short synthetic bristles.

**Diluent:** Water.

**Thinning:** Dilute up to 10% v/v [Application viscosity: 80±5 KU (ASTM D 562) and 1.3±0.3 poise (ICI, ASTM D 4287)].

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

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### Drying time

**Dry through:** 1.5±0.5 hours (ASTM D 1640).

**Recoating time:** 5±1 hours.

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

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### Packaging

The white shade is available in 0.9 Lt, 2.5 Lt and 9 Lt cans.

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### Storage

1 year, provided the cans remain closed and in normal storing conditions. **AQUATEX** can be stored after opening if the can is kept properly sealed in a cool sheltered place at temperatures 5-30°C.

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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 to avoid applying the product at temperatures below 20°C.
- It is recommended that coated surfaces will not be washed until 20-30 days have elapsed from the application.
- Due to its great resistance to washing and scrubbing and it is recommended for spaces that get easily dirty.
- It has very good adhesion on old paints.
- **AQUATEX** can be used as it is for the production of colored shades via **CHROMASYSTEM** with the special tinters **CHROMATINT**.

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