



## TECHNICAL DATA SHEET

### Description of the product

**XTRA ECO** is an ecological latex paint for **interior use**. It fulfills the requirements of the Decision 2009/544/EC, which establishes the criteria for the eco-label award to paints and varnishes. Due to its combination of price and great hiding power, it is recommended for refreshing surfaces that are frequently repainted. It presents **excellent resistance to washing-scrubbing**. It renders an excellent mat finish with high whiteness and unaltered shades. It spreads evenly and has low odor.

### Recommended uses

It is applied in interior surfaces of plaster, stucco, beton, etc.

### Technical characteristics

**Resin:** Dispersion based on styrene-acrylic resins

**Density:** 1.50±0.05 gr/ml

(EN ISO 2811.01-02, 20°C)

**Production Viscosity:** 110±10 KU

(ASTM D 562-05, 25°C)

**Storage Viscosity:** 115±15 KU

(ASTM D 562-05, 25°C)

**Solids b.w.:** 60±2%

(EN ISO 3251-03)

**Solids b.v.:** 40±3%

(ISO 3233-98 )

**Storage pH:** 8.4±1

(ISO 976-96)

**Minimum Film Forming Temperature:** 0°C

(ASTM D 2354)

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

(ASTM D 1849-03)

**Freeze-thaw stability (-5°C):** OK

(ELOT 777-85)

**VOC (Volatile Organic Compounds): XTRA ECO** 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. 14 g/l.

### Shades

Available in white and in thousands of ecological shades via the tinting system **CHROMASYSTEM**.

### Properties

**Hiding power for SR 20 m<sup>2</sup>/Lt:** CR: 95±1%

(ISO 6504.03-06)

**Spreading rate for CR 0.98:** 10.0±0.5 m<sup>2</sup>/Lt

(ISO 6504.03-06)

**Whiteness index:** ≥ 85

(ASTM E 313-05 )

**Yellowing index:** ≤ 1.5

(ASTM E 313-05 )

**Water Vapor Transmission Rate (permeability) (S<sub>D</sub>):** < 0.07 m (class I)

(ISO 7783.02-99)

**Exposure to fluorescent UV & Water:**

(EN ISO 11507-02)

1000 h: No change is noted on the film

**Wet scrub resistance:** > 4000 cycles

(ASTM D 2486-06)

**Wet scrub resistance:** Class II

(EN ISO 11998-02)

**Gloss 85°:** 4±2

(EN ISO 2813-99)

**Bend test (Mandrel):** 2 mm OK

(EN ISO 1519-02)

**Adhesion (Pull Off, with PRIMEX A-300 as primer):** ≥ 1.5 Nt/mm<sup>2</sup>

(EN ISO 4624-03)

**Recoatibility:** No change is noted on the film

(ELOT 788-85 § 5.4)

### Spreading rate

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

**Recommended Total Dry Film Thickness:** 60±6 µm.

**Spreading rate:** 10±0.5 m<sup>2</sup>/Lt for complete hiding (2 coats).

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### Application instructions

Surfaces are cleaned from dust and flaking parts are removed. Plastered surfaces are primed with ecological water-based primer **PRIMEX A-300**. On dirty, stained or lime-washed surfaces of walls and ceilings apply **MONOX AQUA** as a primer.

**XTRA ECO** is applied in 2 coats, depending on the type of surface.

**Application method:** Roller, brush, airless spray.

**Diluent:** Water.

**Thinning:** Dilute 5-10% v/v [Application viscosity: 80±5 KU (ASTM D 562-05) and 1.3±0.3 poise (ICI, ASTM D 4287-05/25°C)].

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Tools are cleaned immediately after the application with soap and water. Rinsing water and paint residues should not be disposed into rivers or sewers or thrown away with household refuse or poured away. Follow the advice of the local authority regarding the disposal and collection of unused paint.

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### Drying time

**Dry:** 60±5 minutes (ASTM D 1640-03).

**Recoating time:** 3±½ 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 0.75 Lt, 3 Lt and 9 Lt cans.

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### Storage

1 year, provided the cans remain closed and in normal storing conditions. XTRA ECO 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 that coated surfaces will not be washed until 20-30 days have elapsed from the application.
- It is recommended to avoid the application of the product at temperatures below 0°C or just before rain.
- On fresh concrete surfaces it is recommended to apply the product at least after 30-40 days.
- **XTRA ECO BASES** are **ONLY** used for the production of colored shades via **CHROMASYSTEM**. They should not be applied without the special colorants **CHROMATINT**.
- For more information as to why this product has been awarded the Flower please visit the web-site: [www.ecolabel.eu](http://www.ecolabel.eu).

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