



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. It is characterized by **high coverage**, great spreading rate and **application economy**. It renders an excellent mat finish with high whiteness and unaltered shades. It spreads evenly and has low odor. **XTRA ECO** has been formulated on the basis of the latest technological developments so that it is **safe for the user** and **friendly to the environment**. It is APEO-free (contains no alkylphenolethoxylates) and has minimum content of volatile organic compounds (Low VOC). It contributes to high **indoor air quality**, thanks to very low emissions of organic compounds (**class A+**).

Recommended uses

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

Technical characteristics

Resin: Dispersion based on styrene-acrylic resins

Density: 1.48±0.05 gr/ml

(EN ISO 2811.01, 20°C)

Production Viscosity: 110±10 KU

(ASTM D 562, 25°C)

Storage Viscosity: 115±15 KU

(ASTM D 562, 25°C)

Solids b.w.: 59±2%

(EN ISO 3251)

Solids b.v.: 40±3%

(ISO 3233)

Storage pH: 8.0±0.5

(ISO 976)

Minimum Film Forming Temperature: 0°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): **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. 9 g/l.

Shades

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

Properties

Hiding power for SR 20 m²/Lt: CR: 94.1±1%

(ISO 6504.03-06)

Spreading rate for CR 0.98: 10.0±1.0 m²/Lt

(ISO 6504.03-06)

White: 10.7 m²/Lt, Base A: 10.0 m²/Lt

(ISO 6504.01-83)

Whiteness index: ≥ 85

(ASTM E 313-05)

Yellowing index: ≤ 1.5

(ASTM E 313-05)

Water Vapor Transmission Rate (permeability) (S_D): < 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 2813-14)

Bend test (Mandrel): 2 mm OK

(EN ISO 1519-02)

Adhesion (Pull Off, with PRIMEX A-300 as primer): ≥ 1.5 Nt/mm²

(EN ISO 4624-03)

Recoatibility: No change is noted on the film

(ELOT 788-85 § 5.4)

Emissions of volatile organic compounds: Class A+

(EUROFINS: report 392-2022-00270402_E_EN)

Spreading rate

Dry film thickness per coat: 30±2.5 µm.

Recommended Total Dry Film Thickness: 60±5 µm.

Spreading rate: 11±2 m²/Lt for complete hiding (2 coats).

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)].

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.

Drying time

Dry:40±20 minutes (ASTM D 1640).

Recoating time: 2±1 hours.

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

Packaging

White: 0.75 Lt, 3 Lt and 9 Lt. Bases A, B, C: 0.9 Lt, 2.7 Lt and 9 Lt.

Storage

2 years, 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.

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.

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 website: www.ecolabel.eu.

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