

# Artex Eco

## TECHNICAL DATA SHEET



### Description of the product

**ARTEX ECO** is an odorless **ecological** emulsion paint of superior quality. It **protects** the user and the environment during application. **ARTEX ECO** doesn't contain heavy metals, dangerous substances, ammonia, formaldehyde and aromatic hydrocarbons. It presents great ease of application, high opacity and spreading rate, **excellent resistance to washing-scrubbing (Class 1)**, resistance to difficult weather conditions and doesn't splash during application. It contributes to high **indoor air quality**, thanks to very low emissions of organic compounds (**class A+**). It has **antibacterial properties**, preventing the growth of microorganisms on the painted surface (**IMSL certification**).

### Recommended uses

It is applied on interior or exterior surfaces of plaster, stucco, cement, etc.

### Technical characteristics

**Resin:** PVA Copolymer

**Density (white):** 1.40±0.05 gr/ml (EN ISO 2811.01, 20°C)

**Production Viscosity:** 108±8 KU (ASTM D 562, 25°C)

**Storage Viscosity:** 110±10 KU (ASTM D 562, 25°C)

**Solids b.w.(white):** 60±3% (EN ISO 3251)

**Solids b.v.(white):** 43±3% (ISO 3233)

**pH:** 8.02±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):** **ARTEX 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**. It can also be tinted with **CHROTEX BASIC EMULSION COLORANTS** (percentage of addition up to 15% b.w.).

### Properties

**Hiding power for SR 20 m<sup>2</sup>/Lt:** CR: 93.5±1.0% (ISO 6504.03)

**Spreading rate for CR 0.98:** 9.0±1.0 m<sup>2</sup>/Lt (ISO 6504.03)

White: 9.9 m<sup>2</sup>/Lt, Base A (as RAL 3010): 13 m<sup>2</sup>/Lt (ISO 6504.01)

**Whiteness index:** ≥ 85 (ASTM E 313)

**Yellowing index:** ≤ 1.5 (ASTM E 313)

**Water Vapour Transmission Rate (permeability)** (ISO 7783.02)

**(S<sub>D</sub>):** 0.210±0.010m (Class II)

**CO<sub>2</sub> Permeability (S<sub>D</sub>):** 76.2 m. Prevents the carbonation of concrete. (DIN EN 1062.6)

**Liquid Water Permeability (w):** 0.06 (Kg/m<sup>2</sup>h<sup>0.5</sup>) (Class III) (DIN EN 1062.3)

**Wet scrub resistance:** > 10.000 cycles (ASTM D 2486)

**Wet scrub resistance:** Class 1 (EN ISO 11998)

**Gloss 85°:** 5±2 (EN ISO 2813)

Mat (EN 13300)

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

**Adhesion (Pull Off, with PRIMEX A-300 as primer):** ≥ 1.5 Nt/mm<sup>2</sup> (EN ISO 4624)

**Exposure to fluorescent UV & Water:** (ISO 11507)

1000 h: No change is noted on the film.

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

(EN ISO 1519)

**Emissions of volatile organic compounds:** Class A+

(EUROFINS, report 392-2022-00270404\_E\_EN)

**Antibacterial action (24 hour contact time):**

(ISO 22196)

99,99% (Escherichia Coli)

99,96% (Staphylococcus Aureus)

**Spreading rate****Dry film thickness per coat:** 30±3 µm.**Recommended total dry film thickness:** 60±6 µm.**Spreading rate:** 11±2 m<sup>2</sup>/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** or with the silicon acrylic water-based primer **PRIMEX MICRO**.

**ARTEX ECO** is applied in 2 coats.**Application method:** Brush, roller, 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)].

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 through(white):** 35±15 minutes (ASTM D 1640).**Recoating time (white):** 1.5±0.5 hours (depending on color shade).

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: 0.45 Lt, 0.9 Lt, 2.7 Lt and 9 Lt.

---

**Storage**

2 years, provided the cans remain closed and in normal storing conditions. After use, the remaining undiluted product may be preserved if the can is sealed and stored in a dry room with 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.
- On fresh concrete surfaces it is recommended to apply the product at least after 30-40 days.
- It is recommended to avoid the application of the product at temperatures below 0°C or just before rain.
- **ARTEX 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).

*Issued: July 2023  
This issue replaces all others*

