

Artex velvet shield

TECHNICAL DATA SHEET



Description of the product

ARTEX VELVET SHIELD is an acrylic emulsion paint of high strength, with **velvet** mat finish, for interior walls. It is distinguished for its high resistance to common household stains (does not soak), allowing **easy cleaning**, while at the same time it ensures excellent **resistance to frequent washing** and scrubbing (Class 1). It is characterized by great **ease of application**, as well as **high coverage** and low paint consumption.

The painted surface is **certified (IMSL) resistant to the growth of microorganisms and mold** and, in combination with the product's low content of VOCs, contributes to better air quality (**indoors air quality - category A**) and hygiene of indoor spaces. It contributes to the minimization of allergens caused by bacteria, fungi and their metabolic products, offering a more suitable space for people with allergy and asthma problems to stay.

Recommended uses

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

Technical characteristics

Resin: Acrylic emulsion	
Density (white): 1.41±0.05 gr/ml	(EN ISO 2811-1)
Production Viscosity: 105±5 KU	(ASTM D 562, 25°C)
Storage Viscosity: 110±10 KU	(ASTM D 562, 25°C)
Solids b.w.(white): 60±2.5%	(EN ISO 3251)
Solids b.v.(white): 44±3%	(ISO 3233-3)
pH: 9.0±0.5	(ISO 976)
Minimum Film Forming Temperature: 5°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 VELVET SHIELD 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 shades via the tinting system **CHROMASYSTEM**.

Properties

Hiding power for SR 20 m²/Lt: CR: 95±1.0%	(ISO 6504-3)
Spreading rate for complete hiding (CR 0.98): 10.5±1.0 m ² /Lt	(ISO 6504-3)
Whiteness index: ≥ 86	(ASTM E 313)
Yellowing index: ≤ 1.5	(ASTM E 313)
Wet scrub resistance: <5µm, Class 1	(EN ISO 11998, EN 13300)
Gloss 85°: 8±1, Velvet matt	(EN ISO 2813, EN 13300)
Recoatability: No change is noted on the film	(ELOT 788 §5.4)
Adhesion (Pull Off, cement board - primer: PRIMEX A-300 /PRIMEX MICRO): ≥ 1.5 Nt/mm ²	(EN ISO 1519)
Exposure to fluorescent UV & Water: 1000 h: No change is noted on the film.	(ISO 11507)
Bend Test (Mandrel): 2 mm OK	(EN ISO 1519)
Emissions of volatile organic compounds (indoor air quality): Class A	(EUROFINS, report 392-2022-00270401_E_EN)

Antibacterial action (24 hour contact time): 99,99% (Escherichia Coli) 99,99% (Staphylococcus Aureus)	(ISO 22196, IMSL: Report 2021/01/023.1A)
Resistance to mold growth: Zero growth after 12 weeks	(BS 3900 Part G6, IMSL: Report 2021/01/023.2A)

Spreading rate

Dry film thickness per coat: 30±2.5 µm

Recommended total dry film thickness: 60±5 µm.

Spreading rate per coat: 18±2 m²/Lt for complete hiding [approx. 8-11 m²/Lt for full coverage (2 coats) depending on shade and substrate].

Application instructions

Remove any grease, dust and flaking parts from the surface. New surfaces are treated with the ecological acrylic water-based primer **PRIMEX A-300** or with the silicon acrylic water-based primer **PRIMEX MICRO**. Gypsum-boards are treated with primer **PRIMEX ONE**. On distemper painted surfaces, apply **MONOX AQUA** first.

ARTEX VELVET SHIELD is applied in 2 coats.

Application method: Brush, roller, airless spray.

Diluent: Water. **Thinning:** Dilute 5-10% v/v.

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): 25±5 minutes (ASTM D1640, 23°C & 50% RH).

Recoating time (white): 3±1 hours (depending on color shade) (ASTM D1640, 23°C & 50% RH).

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

3 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.
- **ARTEX VELVET SHIELD** is applied and allowed to dry at a temperature of 5°C to 35°C and a relative humidity of less than 65%.
- For maximum coverage, on some deep shades (such as oranges, reds, blues, greens and yellows), it is recommended to apply a light shade of the same colour hue or a layer of a suitable shade of **PRIMEX ONE** or **MONOX AQUA** as a first coat. This reduces the number of layers required to achieve coverage.
- The painted surface is easily cleaned from common household stains. They are easily removed with a soft cloth dampened with water and a small amount of mild liquid detergent. Cleaning should be done as soon as possible and no longer than 15 minutes after the stain was created.
- **ARTEX VELVET SHIELD BASES** are only used for the production of colored shades via **CHROMASYSTEM**. They should not be applied without the special colorants **CHROMATINT**.

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