

# BETON<sup>ex</sup>



## TECHNICAL DATA SHEET

### Description of the product

**BETONEX** is a solvent-based paint for cement surfaces. It provides **long lasting protection** on constructions that are exposed to adverse weather conditions and offers **great resistance to alkalis**. It is easy to apply and presents great spreading rate and hiding power. The white shade offers high whiteness and the tinted shades have great resistance to UV rays and remain unaltered for years.

### Recommended uses

It is applied on exterior concrete, cement surfaces, plaster etc. It is also recommended for painting roof tiles.

### Technical characteristics

**Resin:** Styrene copolymers and acrylic resins

**Density (white):** 1.48±0.04 gr/ml

(EN ISO 2811.01-02, 20°C)

**Production Viscosity:** 9.5±1.5 poise

(ISO 2884.02-03)

**Storage Viscosity:** 10.5±2.5 poise

**Solids b.w.(white):** 73.5±2%

(EN ISO 3251-03)

**Solids b.v.(white):** 49±3%

(ISO 3233-98)

**Flash point:** 38±4°C

(EN ISO 1523-02)

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

(ASTM D 1849-03)

**VOC (Volatile Organic Compounds):** **BETONEX** belongs to the category A/c SB (Exterior walls of mineral substrates). EU Limit Value: 430g/l. The ready to use product contains max. 429 g/l.

### Shades

Available in white and in 4 ready- made shades.

### Properties

**Hiding power for SR 20 m<sup>2</sup>/Lt CR:** CR:90±1%

(ISO 6504.03-06)

**Whiteness index:** > 70

(ASTM E 313-05 )

**Yellowing index:** < 4.5

(ASTM E 313-05 )

**Gloss 85°:** 5±2

(EN ISO 2813-99)

**Resistance to weathering:** Excellent

(EN ISO 2810-05)

**Exposure to fluorescent UV & Water:**

2000 h: No change is noted on the film

(EN ISO 11507-02)

**Resistance to liquids (NaOH 5% b.w.):**

No change is noted on the film

(EN ISO 2812.01-95)

**Adhesion (Pull off, with PRIMEX A-1300 as primer):** > 1.5 MPa

(EN ISO 4624-03)

**Adhesion (Cross Cut on cement):** 0

(EN ISO 2409-95)

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

(EN ISO 1519-02)

### Spreading rate

**Dry film thickness per coat:** 35±3 µm.

**Recommended total dry film thickness:** 70±6 µm.

**Spreading rate:** 7.3±0.8 m<sup>2</sup>/Lt for complete hiding (2 coats).

### Application instructions

Surfaces are cleaned from dust and flaking parts are removed. Surfaces are primed with **PRIMEX A-1300**, thinned up to 100% with **CHROTEX BRUSH SOLVENT** or with the silicon acrylic water-based primer **PRIMEX MICRO**.

**BETONEX** is applied in 2 coats.

**Application method:** Roller, brush.

**Diluent:** CHROTEX BRUSH SOLVENT or white spirit.

**Thinning:** Dilute up to 4% v/v.

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

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### Drying time

**Dry to touch:** 60±10 minutes (ASTM D 1640-03).

**Dry through:** 2½±½ hours.

**Recoating time:** 4½±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 0.75Lt, 2.5Lt and 10Lt. The colour shades are available in 0.75Lt and 2.5Lt cans.

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### Storage

2 years, provided the cans remain closed and in normal storing conditions.

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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

- BETONEX colour shades provide excellent resistance to UV rays and difficult weather conditions and are strongly recommended for areas affected by rainfalls and high humidity.
- On fresh concrete surfaces it is recommended to apply the product at least after 30-40 days.

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