

# Monox

## TECHNICAL DATA SHEET



### Description of the product

**MONOX** is an insulating undercoat for «difficult» surfaces. It is used as a primer for emulsion paints on walls and ceilings. Thanks to its special composition, **it insulates perfectly** old surfaces, while **it isolates** and **covers completely** fumes, dirt and mildew on dirty walls.

### Recommended uses

It is applied as an undercoat for emulsion paints, for recoating old or dirty surfaces of cement, masonry, plaster, etc.

### Technical characteristics

<b>Resin:</b> Styrene and acrylic resins copolymer	
<b>Density:</b> 1.35±0.05 gr/ml	(EN ISO 2811.01, 20°C)
<b>Viscosity Production:</b> 107±3 KU	(ASTM D 562)
<b>Storage Viscosity:</b> 110±10 KU	(ASTM D 562)
<b>Solids b.w:</b> 66.5±2.5%	(EN ISO 3251)
<b>Solids b.v:</b> 43±3%	(ISO 3233)
<b>Flash point:</b> 46±2°C	(EN ISO 1523)

**VOC (Volatile Organic Compounds): MONOX** belongs to the category A/g SB (Primer). EU Limit Value: 350 g/l. The ready to use product contains max. 349 g/l.

### Shades

It is available in white.

### Properties

<b>Hiding power for SR 20 m<sup>2</sup>/Lt CR:</b> 90±1%	(ISO 6504.03)
<b>Whiteness index:</b> ≥ 74	(ASTM E 313)
<b>Yellowing index:</b> ≤ 5.5	(ASTM E 313)
<b>Resistance to liquids (NaOH 5% v/v):</b> No change is noted on the initial coat	(EN ISO 2812.01)
<b>Adhesion (Pull off):</b> <b>MONOX+XTRA HYDROCHROMA</b> ≥ 1.0 N/mm <sup>2</sup>	(EN ISO 4624)
<b>MONOX+WATER-BASED PAINTS</b> ≥ 2.0 N/mm <sup>2</sup>	
<b>Bend test (Mandrel Test):</b> 2 mm OK	(EN ISO 1519)

### Spreading rate

**Dry film thickness per coat:** 30±3 µm.  
**Recommended Total Dry Film Thickness:** 60±6 µm.  
**Spreading rate:** 20±2 m<sup>2</sup>/Lt per coat, depending on surface condition and application method.

### Application instructions

Surfaces are cleaned from dust and flaking parts are removed. On dirty, stained or lime-washed surfaces of walls and ceilings apply **MONOX** and then apply emulsion or acrylic paints.

**MONOX** is applied in 1-2 coats.

**Application method:** Brush, roller, airless spray.

**Thinning:** No thinning is necessary.

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

**Drying time**

**Dry through:** 1.5±0.5 hours (ASTM D 1640).

**Recoating time:** 5±0.5 hours.

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

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**Packaging**

It is available in 0.75 Lt, 2.5 Lt, 5 Lt and 10 Lt cans.

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**Storage**

1 year, 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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This issue replaces all others*

