

# REPOX® AD

## Solvent-Free Epoxy Surface Primer with Filler

### Description

**Epoxy** resin based; solvent free, double component, epoxy **floor primer** with low quantity of filler for concrete and cement based mineral surfaces. Can be used as primer under epoxy and polyurethane based floor coatings.

### Application Areas:

- Indoor and outdoor
- As a primer under the coatings in hygienic environments such as hospitals and laboratories, in food, medicine, dyestuff industries, printing houses, industrial kitchens, airplane maintenance hangars, factories, places where heavy forklift trucks are used, water purification facilities, places exposed to chemical corrosion, warehouses, terminals, shopping malls, schools and parking garages
- As a skimming layer with 1/1 aggregate addition
- As filler and repair mortar when mixed with appropriate aggregate
- Under REPOX epoxy based floor coatings
- As a primer under POLAN polyurethane based floor coatings.

### Advantages:

- Does not contain solvent
- Adheres perfectly on cement based surfaces
- Easy to apply in construction site as it is self-filled
- Can be used as filler and repair mortar when mixed with appropriate aggregate
- Resistant to chemicals and inorganic acids, has high mechanical strength.

### Consumption:

250 - 500 g/m<sup>2</sup> (for 175 - 375 µ thickness) (Varies depending on the absorption and roughness of the surface, and the method of application)

### Packaging:

In tin cans, sets of 25 kg (A+B)

### Technical Properties

<b>Components</b>	A: Epoxy resin, B: Hardener
<b>Color</b>	Cream
<b>Mixture Rate</b>	A: 20 kg, B: 5 kg
<b>Mixture Density</b>	1.30 ± 0.05 kg/L (20°C TS EN ISO 2811-1)
<b>Viscosity</b>	1800 ± 200 mPas (20°C)
<b>Compressive Strength</b>	70 - 75 N/mm <sup>2</sup> (DIN 53504 TS 1967) 7 days
<b>Bond Strength by Pull-off</b>	> 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
<b>Tensile Elongation</b>	> 8% (DIN 53504 TS 1967) 7 days
<b>Abrasion Resistance (Taber)</b>	< 100 mg, 1000 cycle (EN 1504-2)
<b>Impact Resistance</b>	Class III (EN 1504-2)
<b>Capillary Absorption and Water Permeability</b>	w < 0.1 kg/(m <sup>2</sup> · h <sup>0.5</sup> ) (EN 1062-3)
<b>Solid Content (Mixture)</b>	By weight 100%, by volume 100%

<b>Hardness (Shore D)</b>	75 ± 5 (ASTM D 2240, DIN 53505)
<b>Pot Life</b>	40 - 50 minutes (23°C, 200 g, DIN 16945)
<b>Application Temperature</b>	Between +10°C and +30°C
<b>Dirt Pick-up Time</b>	3 - 4 hours (23°C TS 4317)
<b>Dry to Touch Time</b>	8 - 10 hours (23°C TS 4317)
<b>Top Coat Time</b>	For solvent-free coating: max. 24 hours (23°C TS 4317) For solventborne coating: 36 hours (23°C TS 4317)
<b>Complete Curing Time</b>	7 days (23°C TS 4317)

\* Application instructions and technical data provided for the products are obtained in line with our experience and the tests are implemented according to international standards, under ambient temperatures of 23±2°C and ambient relative humidity conditions of 50%±5. Higher temperatures decrease while lower temperatures increase these durations.