



PRIMER



Polymer dispersion specially formulated for priming of substrates prior to application of E.MIX self-levelling and floors screed series products.

E.MIX PRIMER is a dispersion of polymer in water with selective active agents to maximize penetration into substrate, and promotes good bond strength. The primer layer can effectively prevent air bubbles trapped in the substrate from diffusing into the self-levelling screed, which could otherwise cause pinholes on the surface of self-levelling screed. It is water-based, non-toxic, and has excellent adhesion to a wide range of substrates such as concrete and cement sand screed.

USES

- Primer for self-levelling screed
- Sealing porous substrates

FEATURES AND BENEFITS

- Penetrates into the substrate to prevent air bubbles from the substrate diffuse into the self-levelling screed
- Increase the adhesion strength of the self-levelling screed to the substrate
- Water resistance
- Excellent wet and dry adhesion to the substrate
- Good wetting properties

PROCEDURES

Substrate Preparations

- The surface of substrate must be hard, sound and free from surface contamination. Minimum tensile strength of the substrate should be 1.0 N/mm².
- All dust and debris should be vacuum-cleaned from the surface.
- Weak or soft substrates subjected to movement under imposed load (either in use or during material curing), such as asphalt, must be removed.
- Concrete contaminated by oil or grease may require flame gunning or treatment with a proprietary degreaser.
- Contraction joints, construction joints and cracks in the substrate subjected to movement after installation of E.MIX self-levelling screed must be maintained as joints in the new surface.

Mixing and Installation

- E.MIX PRIMER should be applied to the prepared surface by using a soft brush or a primer pump. Avoid ponding and allow E.MIX PRIMER to become touch dry (3 – 4 hours under normal conditions).
- E.MIX PRIMER should be diluted with clean, potable water at a ratio of 1:5 for the first coat and 1:3 for the second coat.
- E.MIX PRIMER should not be applied below +10 °C. Substrate should be surface dry with relative humidity below 70% at the working site to allow efficient drying of E.MIX PRIMER. Insufficient drying time or poor film formation due to low temperature or high humidity may result in pinholes on the surface of E.MIX self-levelling screed.
- The consumption of E.MIX PRIMER is about 3 – 5 m²/litre for two priming coats.

Please refer to our method statement for procedures in detail.

Curing

The relative humidity of the surrounding air should be below 70%. Good ventilation to speed up the E.MIX PRIMER drying is recommended.

STORAGE AND PACKING

E.MIX PRIMER is delivered in 20 litres drum.

Storage life is 12 months if the product is stored in a dry place.

HEALTH AND SAFETY

- Recommend to wear NIOSH approved or equivalent particulate face mask when mixing the material.
- Material may cause irritation to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical assistance. After contact with skin, wash immediately with plenty of soap and water.
- Keep out of reach of children.

** Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this technical data sheet is for general guidance only.*



TECHNICAL DATA

Colour	Green
Component	Polymer emulsion
Mixing ratio (Prime : water)	1 : 5 for the first coat 1 : 3 for the second coat
Specific gravity	1.02 g/cm ³
pH value	7 - 9
Minimum application temperature	10 °C
Drying time	2 - 4 hours
Coverage	Approx. 0.2 - 0.3 litre/m ² for 2 coats
Theoretical consumption	Approx. 3 - 5 m ² /litre for 2 coats Approx. 66 - 100 m ² /20 litre for 2 coats

PHYSICAL PROPERTIES

Adhesion to concrete	- Dry adhesion	2 N/mm ²
Theoretical consumption	- Wet adhesion	1 N/mm ²

Unless specified, all technical data are average values and refer to curing time of 28 days.

PRODUCT

