

MULTIBOND PRIME

Aqueous Coating Based on Proprietary Epoxy Resin Cured in Combination with Water Dispersible Hardener



PRODUCT DESCRIPTION

MultiBond Prime is an aqueous coating based on proprietary Epoxy Resin cured in combination with water dispersible hardener, which exhibits excellent adhesion to most substrates and has good physical properties as well as water and corrosion resistance. It is used as special purpose surface bonding primer. The coating can be applied on manually prepared surfaces, has very good chemical resistance. It has excellent bonding properties and is used at places demanding high adhesion or unusual substrates.

ADVANTAGES

- Low viscosity
- Excellent bond strength
- Easy application
- Multipurpose
- Very Long pot life

USES

- For priming concrete substrates, cement and fiber-based surfaces
- For bonding with ceramic tiles
- Old and porous concrete floors
- Fast drying primer coat for various solvent and water based over coating systems.
- Good adhesion with Glass and other non-porous substrates.

TECHNICAL DATA

PROPERTIES	RESULTS
Mixing Ratio (Resin: Hardener)	1: 2 volume Basis
Surface finish	Non porous, Smooth Finish
Pot life @ 30°C	60 -70 minutes
Hard dry (Open to foot traffic)	24 hours
Full cure (vehicular traffic)	72 hours
Solid Content	>95%
Coverage for 100 microns Primer coat	10 sqm/Kg for clear primer @ 100 microns
Compressive Strength	>650 kg/cm ²
Flexural Strength	>450 kg/cm ²
Tensile strength	>180 kg/cm ²
Pull off Adhesion strength	Concrete failure @ 24 kg/cm ²
Abrasion resistance (Taber)	45 mg loss
Shore Hardness	D 80
Shelf Life	12 months
Chemical Resistance	Excellent resistance is observed against distilled water, detergent solutions, alkalis and acids.

STORAGE

12 months from date of mfg. if stored properly in undamaged seal packaging, at temperature between 5°C- 30°C. It should be kept in a cool, well-ventilated area, away from heat, direct sunlight, sparks and children.

PACKING

Multibond Prime Available in 20 LTR Packing.

SURFACE PREPARATION

Concrete substrates must be prepared mechanically using abrasive blast cleaning, Scarifying or grinding equipment to remove cement laitance and achieve an open textured surface. Remove weak concrete and expose surface defects such as blowholes and voids.

Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products. Ensure that the dust, loose and friable material is completely removed from all surfaces by brush and vacuum before application of the product.

The concrete substrate has to be primed with MultiBond Prime in order to achieve an even surface. Mix the contents of the coating in the requisite mixture, i.e 1 part resin and 2 parts

hardener, for a period of 3 minutes to get a milky white homogenous mixture.

Add water to improve workability and to ensure better penetration in the surface. Dilution with water can be done from 10% to 100% depending on the use case and the substrate. Allow the primer to dry for 2 to 4 hours minimum before proceeding with overcoating system.

APPLICATION CONDITIONS

- **Substrate temperature:** 10-40°C
- **Substrate moisture content:** - <8%
- **Relative humidity:** 80% max

Note: The substrate temperature must be at least 300C above the prevalent dew point temperature to reduce chances of condensation on the floor.

PRECAUTIONS

Take care to avoid skin or eye contact and breathing vapors. In the event of the skin contact immediately wash thoroughly. In the event of eye contact, wash continuously for 15 minutes in water and seek medical advice. Wear protective clothing, gloves, and safety glasses while using this product. If inhalation occurs, move to fresh air and seek medical advice in case of difficulty in breathing. Keep material away from heat, flames, and sources of ignition.

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