



# MC-DUR EPW Primer

## Two-Component Solvent Free Epoxy Primer

### Product Properties

- Two components Solvent Free Epoxy Primer
- Can be applied on Damp surfaces
- It is breathable in nature
- Good adhesion to concrete
- Food Grade, nontoxic and odour free

### Areas of Application

- Recommended as a primer for Damp surfaces
- Suitable as a primer for any Solvent free or water-based Epoxy Coating system
- Suitable as a primer for walls and floors with residual moisture.

### Application Notes

#### General

**MC-DUR EPW Primer** is a Two component, Solvent Free, Epoxy Resin Primer. The cured film of the primer is nontoxic and food grade hence it is also suitable for the storage tank containing potable water.

#### Advantages

**MC-DUR EPW Primer** has good adhesion to concrete and masonry. The cured film has breathable properties. This primer can be recommended for both old and new concrete. It provides better adhesion to both dry and Damp Surfaces.

#### Instruction for use

##### Surface Preparation Concrete

All surfaces must be smooth, sound and free from any unsound material and any contaminations such as oil, grease, dust, loose particles and organic growth. Concrete surfaces must be fully cured, laitance free and free from any traces of shuttering, release oils and curing compounds. For old structures, existing paints should be removed thoroughly and all the honey combs, pinholes, bug holes should be filled with Nafuquick range Mortars.

#### Mixing

**MC-DUR EPW Primer** Consists of two components, supplied in prepacked quantities. First, the base component is mixed thoroughly and then the hardener is added. Both components are mixed together thoroughly and homogeneously for at least 2 minutes. Slowly rotating mixers with paddle (max.300 rpm) are suitable for mixing. Care should be taken to keep entrainment of air as minimum as possible while mixing.

#### Application

**MC-DUR EPW Primer** can be applied by Nylon bristle brush or Roller Depending upon substrate. Application of Coating should be commenced on the Surface Saturated Dry condition for better workability. If the surface is damp then the residual surface moisture should not be more than 5%. If the surface temperature is more than 35°C then prior to application all the surface should be moisten by help of water to bring the surface in to SSD condition.

Minimum Two coats of **MC-DUR EPW Primer** are recommended for Priming. During the application of 1<sup>st</sup> coat the coating should be done in "X" Direction, ensuring continuation of coating throughout the surface need to be Primed. 2<sup>nd</sup> coat should be applied after the 1<sup>st</sup> coat will be completely dry on the "Y" Direction, Ensuring Continuation of Coating throughout the surface. The Minimum DFT should not be more than 50 µ in two Coat.

#### Conditions of Application

During application of **MC-DUR EPW Primer** if the temperature of the structure and ambient temperature drops below +10°C the application of Primer should stop immediately.

#### Safety & Precaution

For all work with Epoxy resins the appropriate protective clothing (safety glasses and gloves) should be worn. The unmixed hardener is highly alkaline and a skin irritant. It must not come into contact with the skin, especially the mucous membranes.

If resin gets into the eyes it should be removed immediately using an eyewash. Suitable eyewash should be kept on the building site at all times. Medical advice should be sought immediately.

#### Cleaning

All machines can be cleaned with Water on completion of work or any extended break.



#### Technical Data For MC-DUR EPW Primer

Characteristic	Unit	Value*	Comments
Solid Content	%	100	as Per ASTM D2697
Pot life	Minutes	30 - 40	@ 27°C as per ASTM D2471
Minimum application temperature	°C	+10°C	
Mixing ratio	P.b.w	2.5:1	Resin: Hardener
Elongation	%	2 – 2.5	As per ASTM D 638
Adhesion Test Concrete	MPa	Concrete Failure	As per ASTM D 4541
WFT	μ	50	As per ASTM D 4414
DFT	μ	50	As per ASTM D 1186
Touch Dry	Hrs	2	As per ASTM D 1640
Tack Free Dry	Hrs	8	As per ASTM D 1640
Full Dry	Hrs	24	As per ASTM D 1640
Coverage	Grm/m <sup>2</sup>	100 to 150	@ 50μ DF Thickness per coat

\*All the technical Values were determined in laboratory, at a temperature of 20<sup>0</sup> C and 65% relative humidity

#### Product Characteristics for MC DUR EPW Primer

Colour	Clear Pale Yellow
Cleaning agent	MC-Thinner EP Water or water-based cleaners must not be used under any circumstances
Delivery	5 kg and 20 Packs
Storage	Can be stored in original sealed packages at temperature between +5°C and +25°C in dry conditions for at least one year. The same requirements are valid for Transport
Disposal	Packs must be emptied completely.

#### Safety Advice

Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

**Note:** - The information on this Data Sheet is based on our experiences and correct to the best of our knowledge. It is However, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our Data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are binding if given in written form. The accepted engineering rules must be observed at all times.

**Edition:** - MC/IND/R1/AUG20, Some Technical Changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.