MC-Solid 1200

(formerly Known as MC-Dur 1200)

Two component, Solvent free, Pigmented, Universal Epoxy Bonding Agent

Product Properties

- Solvent Free Pigmented two component epoxy based bonding agent
- Very High Mechanical resistance
- Very High Chemical Resistance
- Very High Bond Strength

Areas of Application

- High Build adhesive Coating for mineral basis substrates subjected to Heavy Mechanical and chemical loading.
- As an universal Bonding agent for Concrete both Old and New.
- Can be used during structural repair as a bonding agent

Application Notes

General

MC-Solid 1200 is two component solvent free universal bonding agent, when used as a bonding coat, work should be done wet in wet. When further coats are required, sand should be strewed on the wet surface to produce mechanical keying for next coat

Advantages

The surface coated with **MC-Solid 1200** gives the property of dust proofing and is easy to clean. It possesses a high resistance to variety of chemicals and solvents and can be effectively used as mechanical and abrasion resistant coating

Instruction for use

The substrate must be clean and free from all loose particles, dust, cement, laitance, oil and other contaminants. The minimum concrete compressive strength necessary should be >25 N/mm^2. A substrate pull-off strength of ≥ 1.5 N/mm^2 is required.

Mixing

MC-Solid 1200 is supplied in two packs – Resin and Hardener- Ready to use for easy on-site mixing. Empty the base and hardener completely by scraping sides of the can into a container and thoroughly mix for 2 to 3 minutes using a slow speed electric drill with a paddle attachment to obtain a homogeneous consistency. To complete the mixing the mixture is poured from one can to another and mixed again to ensure homogeneity. Mixing ration of resin and Hardener is 2:1 p.b.w to ensure the Correct mixing ratio and for ecological reason packs should be emptied thoroughly.

The adhesive is applied to the prepared surface of segments faces by means of suitable Brushes, spreaders, or spatulas. Application of the New Concrete or Cement Mortar Plaster should be done with the open time and pot life of the adhesive

Coverage rates of **MC-Solid 1200** are dependent on texture, temperature and porosity of the substrates as well as product storage and application temperatures. Higher temperatures shorten pot life, whereas lower temperatures will extend it. The general rule of thumb is that a temperature change of ±10^0 C halves or doubles the pot life of the epoxy.

Technical Data For MC-Solid® 1200			
Characteristic	**Unit**	**Value***	**Comments**
Consumption	g/m^2	300-450	For non-absorptive substrate per coat
Mixing Ratio	P.b.w	2:1	Resin : Hardener
Density	Kg/l	~1.7	At 30^0 C
Pot life	min	240	At 30^0 C
Open Time	min	400	At 30^0 C
Compressive Strength	N/mm^2	≥55	As per ASTM C 579 at 30^0 C after 7days
Substrate Temperature	^{0} C	+15 + 40	Minimum Temperature Maximum Temperature

Product Characteristics for MC-Solid® 1200	
Form	Two Component Solvent Free Epoxy Coating
Colour	Grey
Form	Resin and Hardener
Shelf Life	12 Months from date of Manufacture if stored in Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost.
Delivery	Resin 2kg and 4 kg : Hardener 1kg and 2kg
Disposal	Empty packs completely and dispose off carefully to protect our Environment

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

Edition: - MC/IND/R1/JUNE2020, 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.

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