MC-DUR ZKE

Solvent Containing Two Component, Zinc Rich Epoxy Primer

Product Properties

- Solvent containing epoxy
- Zinc Rich
- Resistant to chemical attacks
- High resistance against thawing salts
- Good Resistance to Corrosion attack

Areas of Application

- Suitable for steel constructions to be erected in marine climates
- Suitable for application in refineries, chemical and industrial factories
- Also suitable for underwater steel constructions

Application Notes

General

MC-DUR ZKE is a solvent containing, two-component zinc enriched epoxy resin based protective Primer for Steel reinforcement. **MC-DUR ZKE** is especially suitable for steel construction in marine climates and for constructions, which are heavily strained by atmospheric conditions and industrial atmospheres. It is resistant against solid and dissolved salts, diluted acids, alkalis as well as oil and fats

MC-DUR ZKE is specially designed for steel constructions which would be erected in marine climates or which have to withstand corrosion in industrial areas and adverse climatic and atmospheric conditions. It is suitable for application in refineries and chemical and industrial factories. Additionally, it exhibits high resistance against thawing salts and therefore suitable for handrails, steel poles in connection with bridge decks. It is also suitable for underwater steel constructions

Advantages

MC-DUR ZKE shows high resistance to chemical attacks as well as against thawing salts

Instruction for use

Surface Preparation

The Reinforcing steel must be prepared to SA 2½ in accordance with DIN 55928, part 4. They must be free from rust and any other contaminants or corrosion developing products. Therefore, the reinforcement should be treated by shot blasting with quartz-free abrasives, sand-blasting or other suitable Rust removing techniques as per the requirement and the condition of the site.

Mixing

MC-DUR ZKE consists of resin and hardener components. Before application the resin and hardener components are carefully mixed together by means of slowly rotating electrical drill with paddle. In case of small quantities vigorous hand mixing can be resorted to. The mixing ratio for resin: hardener is 3:1 pbw

Application

The mixed **MC-DUR ZKE** can be applied by means of suitable short bristle brushes. As corrosion protection the homogeneously mixed material is applied to the prepared reinforcing steel with suitable brushes in two coats. Care must be taken that binding wires and also the areas between reinforcement and concrete are fully coated to ensure sufficient coat thicknesses

Cleaning

All the application tools can be cleaned with **MC-Clean EP** on completion of work or any extended break.

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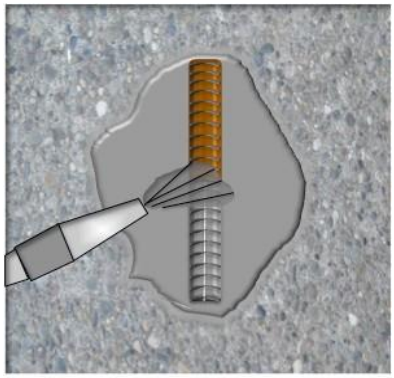
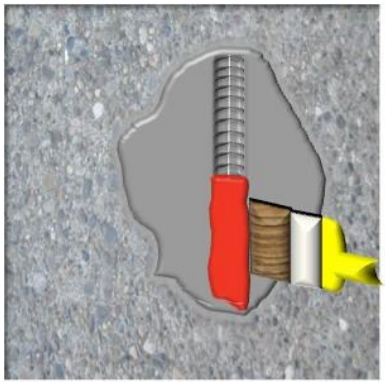
Further Instructions / Precautions

Application Step 1: Cleaning / Rust Removal by Physical Means



Application Step 2: Application of MC-DUR ZKE



Technical Data For MC-DUR ZKE

Characteristic	Unit	Value*	Comments
Pot life	Minutes	20	@ 25°C
Minimum application temperature	°C	+5°C	
DFT	µ	>50	Per coat
Mixing Ratio	p.b.w	3:1	Resin : Hardner
Recoating time	Minutes	60	@ 25^0 C
Coverage	Grm/m^2	250	Per 2 coats

Product Characteristics for MC DUR ZKE

Type	Zinc Rich Epoxy, Corrosion Inhibiting Primer
Colour	Reddish Brown
Form	Resin and Hardener
Shelf Life	6 Months from date of Manufacture
Delivery	Resin: 30 kg pail and 1 kg bottle, Hardener: 5 kg can and 1 kg bottle
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
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/200903, 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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