

Concresive[®]ZR

Single component polyurethane based zinc rich primer for steel

Description

Concresive[®]ZR is a single component, solvent borne zinc rich epoxy primer, providing active galvanic protection to steel. It is a thick grey liquid of paint-like consistency, recommended for use where chloride induced attack on steel and concrete is involved.

Primary Uses

- As a protective coating to steel reinforcing bars in concrete.
- As a touch-up primer for damaged galvanised metal.
- As a primer for steel substrates prior to suitable top coating.

Advantages

- Provides positive protection of steel components against corrosion.
- Excellent adhesion to steel.
- Easy to use single component material.
- No pot-life restrictions or wastage.
- Short overcoating time.

Packaging

Concresive[®]ZR is a single component system, supplied in 1 litre units.

Typical properties*

Appearance:	thick grey liquid
Specific gravity:	1.84 at 25°C
Tack free time: (approximate)	20 mins at 25°C 5 mins at 40°C
Recoat time :	5 hours at 25°C 2 hours at 40°C
T.Z.C. in DFT	>90%
D.F.T. per coat:	>50 microns
Application temperature:	min. 10°C max. 40°C

* Properties listed are only for guidance and are not a guarantee of performance

Standards

Concresive[®]ZR is formulated to meet the scope of BS 4652, 1971 Type 2.

Application procedure

Surface preparation

The steel surfaces should be or grit blasted or wire brushed to remove all traces of corrosion. Ensure no oil, grease or dust is present. Surfaces should be dry.

Apply Concresive[®]ZR immediately after completion of preparation to prevent any contamination. Do not leave blasted or prepared steel uncoated.

Mixing

Concresive ZR should be thoroughly mixed prior to application.

Application

Brush the Concresive[®]ZR onto the prepared substrate, ensuring uniform and full coverage, particularly on the back face of reinforcement. One of the Emaco repair mortars can be applied as soon as the Concresive[®]ZR is dry.



The Chemical Company

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Long term exposure

Concresive[®]ZR is not designed as a finished coating. Although protection to the steel will be provided for some time, overcoating should be carried out as soon as possible, particularly in aggressive environments

Coverage

When used for coating steel 1 litre of Concresive[®]ZR will cover 165 linear metres of 16mm diameter bar per coat or 7.5m²/litre/coat.

Equipment care

Tools should be cleaned with MEK immediately after use.

Storage

Store under cover, out of direct sunlight and protect from extremes of temperatures.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF Construction Chemicals SA's Technical Services Department.

Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use.

Note

For professional use only

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF Construction Chemicals SA representative. BASF Construction Chemicals SA reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF Construction Chemicals' SA facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001:2000.

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

As all BASF's technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

BASF Construction Chemicals South Africa (Pty) Ltd

852 Sixteenth Road, Midrand
PO Box 2803, Halfway House, 1685
Tel: +27 11 203 2405
Fax: +27 11 203 2679
Website : www.basf-cc.co.za

11 Pullinger Street, Westonaria, 1779
P.O. Box 420, Westonaria, 1780
Tel: +27 11 754 1343
Fax: +27 11 754 1105