

CONCRESlVE® ZR

Single component epoxy based zinc rich primer for steel

Description

CONCRESlVE® 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

CONCRESlVE® ZR is a single component system, supplied in 1 litre units.

Typical properties

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

Appearance:	thick grey liquid
Specific gravity:	1.84 at 25°C
Tack free time:	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

Standards

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

Mixing:

CONCRESlVE® ZR should be thoroughly mixed prior to application.

Application:

Brush the CONCRESlVE® ZR onto the prepared substrate, ensuring uniform and full coverage, particularly on the back face of reinforcement. Repair mortars can be applied as soon as the CONCRESlVE® ZR is dry.

Long term exposure

CONCRESlVE® 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.

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Coverage

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

Equipment care

Tools should be cleaned with SOLVENT NO. 2 immediately after use.

Storage

Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. Shelf life is at least 12 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult BASF'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. Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Reseal containers after use.

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF representative.

BASF reserves the right to have the true cause of any difficulty determined by accepted test methods.

Quality and care

All products originating from BASF's Dubai, UAE 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, ISO 14001 and OHSAS 18001.

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

BASF Construction Chemicals UAE LLC

P.O. Box 37127, Dubai, UAE

Tel: +971 4 8090800

www.basf-cc.ae

Fax: +971 4 8851002

e-mail: marketingcc.mideast@basf.com



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