KINGKRETE®
We Create Future

KingRep® ZRII

Two-component epoxy-based zinc-rich primer for steel.

DESCRIPTION

KingRep ZRII is a two-component, high-build epoxy zinc-rich phosphate primer with rust-inhibiting properties. It is an anti-corrosion primer for steel, suitable under a wide range of high-performance topcoats. It is easy to apply and dries quickly, and once dry its abrasion resistance keeps damage in transit and handling to a minimum.

USES

- Protective coating to steel reinforcing bars in concrete repairs.
- Touch-up primer for damaged galvanised steel.
- Primer for steel before a suitable topcoat.

ADVANTAGES

- Positive protection of steel against corrosion.
- Excellent adhesion to steel.
- Easy to mix and to apply by brush.
- Short overcoating time.

STANDARDS

KingRep ZRII is formulated to meet the scope of BS 4652:1995, Type 2.

METHOD OF USE

Surface preparation

Grit blast or wire brush the steel to remove all traces of corrosion. The surface must be dry and free from oil, grease and dust.

Apply KingRep ZRII as soon as preparation is complete, so that the steel is not contaminated again. Do not leave blasted or prepared steel uncoated.

Mixing

Mix the components of KingRep ZRII thoroughly before application.

Application

Brush KingRep ZRII onto the prepared steel, making sure the coverage is uniform and complete, particularly on the back face of the reinforcement. Repair mortars can be applied as soon as KingRep ZRII is dry.

Long-term exposure

KingRep ZRII is not designed as a finished coating. Although it protects the steel for some time, overcoat it as soon as possible, particularly in aggressive environments.

CLEANING

Clean tools with KingKrete solvent immediately after use.

TECHNICAL PROPERTIES

Appearance:	Thick grey liquid
Specific gravity:	1.55 @ 25°C
Tack-free time (approximate):	20 min @ 25°C 5 min @ 40°C
Recoat time:	5 hr @ 25°C 2 hr @ 40°C
Total zinc content in the dry film:	> 90%
Dry film thickness per coat:	> 50 microns
Application temperature:	10 - 40°C

PACKAGING

KingRep ZRII is a two-component system supplied in 4 litre units.

STORAGE

Store under cover, out of direct sunlight and protected from extremes of temperature. In tropical climates, store the product 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 KingKrete's Technical Services Department.

HEALTH AND SAFETY

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

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QUALITY AND CARE

All products originating from KingKrete's Middle East facility are manufactured under a management system independently certified to conform to the requirements of the quality standards ISO 9001, ISO 14001 and ISO 45001.

* Properties listed are based on laboratory-controlled tests.
® = Registered trademark of the KingKrete-Group in many countries.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this KingKrete Inc. publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by KingKrete Inc. either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not KingKrete Inc. are responsible for carrying out procedures appropriate to a specific application.

KingKrete Middle East
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