

Kemprim ZR1

Active Single Component Epoxy Zinc Primer

Description	Kemprim ZR1 is supplied as a one component grey Colored primer coating based on zinc and epoxy resins. It complies with BS 4652-1971 Type 2, 6920 PT1.1988
Where to use	<ul style="list-style-type: none"> • Kemprim ZR1 is the recommended anti-corrosion primer for steel reinforcement in the PROKEM Concrete Repair System • Kemprim ZR1 actively resists corrosion in the repaired area, and also aids the prevention of corrosion in adjacent areas. • Kemprim ZR1 benefits from being a single component material and, therefore, avoids possible errors in mixing. • Kemprim ZR1 can also be used as a touch-up primer or for coating high voltage transmission towers, overhead gantries, bridges and structural steelwork.
Advantages	<ul style="list-style-type: none"> • Single Component System – Easy to use, with no problems in pot life. • Time Saving – Touch dry after 45 minutes and re-coat after 4 hours. • Economical – One pack system ensures no site wastage
Properties	
Specific gravity	2.0
Solids content (% by volume)	75 %
Application method	Airless spray, roller or stiffed brush
Pot life @ 23 °C	30 Minutes
Dry to touch @ 23 °C	45 Minutes
Fully dry @ 23 °C	4 Hours
Re-coat time @ 23 °C	4 Hours
Surface Preparation	<ul style="list-style-type: none"> • Corroded reinforcing steel should be exceeding around its full circumference and cleaned to remove all loose scale and corrosion deposits. • It is always preferable to clean the steel to a bright condition. Grit or sand blasting is recommended.
Mixing	Kemprim ZR1 should be stirred before use to re-disperse the heavy zinc surfaces
Application	<ul style="list-style-type: none"> • Kemprim ZR1 should be brushed onto the exposed reinforcing steel, making sure that the back of the steel is coated also. • If required a second coat may be applied after 4 hours. • The primed surfaces should not be exposed to the elements for longer than necessary before over coating or application of the repair mortar. • Kemprim ZR1 will protect steel under clean interior exposure conditions for a period of several months. • The application of concrete repair materials may proceed as soon as the Kemprim ZR1 is fully dry (generally 20 minutes to 1 hour)
Thinning	<ul style="list-style-type: none"> • Kemprim ZR1 is supplied ready to use. However, if necessary a maximum of 5% of PROKEM solvents may be needed. • Application temperature: Minimum 5 °C
Cleaning	<ul style="list-style-type: none"> • Tools and equipment's should be cleaned immediately with Prokem solvent
Theoretical coverage	<ul style="list-style-type: none"> • 0.15 Kg/m² for 60 microns D.F.T • Number of coats: 1 - 2 depending on application.

Packaging	Two packs (A+B) 5 Kg Pails 20 Kg Pails
Shelf life & Storage	Kemprim ZR1 has a shelf life of 12 months if kept in their original packaging in a dry condition.
Health and Safety	<ul style="list-style-type: none"> • Use goggles, gloves and a breathing mask when applying. • Apply forced ventilation in confined spaces. • Remove splashes from skin with hand cleaner or soap and water. • Eye splashes to be washed with plenty of water. • If ingested seek medical advice.
Additional Information	<p>PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure.</p> <p>PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range for our customer's satisfaction.</p> <p>PROKEM reserves the right to change the properties of its products. All orders are accepted subject to our current term of sale & delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.</p> <p>PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products.</p>