

Kemprim ZRS

Two Component Polyamide Cured Zinc Rich Epoxy Primer

Description	Kemprim ZRS is a two packs cold curing zinc rich epoxy primer and is designed as an anti-corrosive quick drying weldable primer for various paint systems. It can be over-coated after short intervals. Kemprim ZRS is approved by the National Organization For Potable Water & Sanitary Drainage for sewerage applications	
Where to use	To provide excellent protection against corrosion for iron, rebar's and steel structures.	
Advantages	•Excellent adhesion to steel •Easy to use pre-weighed pack •Excellent rust inhibiting properties •Excellent adhesion between reinforcement bars & concrete •Resistant to water & weathering •It gives Cathodic Protection to steel •Resistant to mechanical wear	
Properties		
Specific gravity	1.87 ±0.13	
Solids content	74 ±1 % by weight	ASTM D2369
Zinc Content	25 ±1 % by weight	ASTM D2369
Flash point	126 °C	
Application method	Airless spraying, roller or stiffed brush	
Pot life @ 23 °C	8 hours	
Dry to recoat @ 23 °C	Minimum 4 hours Maximum 2 days	
Fully cured @ 23 °C	7 Days	
Chemical resistance	Please refer to PROKEM resistance table	
It complies with ASTM D5895,522		
Surface Preparation	•Steel surfaces should be blast cleaned to SA 2 ½ or power tool cleaning to min. st 2 which may be acceptable for minor touchy up work •Oil or grease contamination should be totally removed •Please consult PROKEM technical office for further advice on suitability and pre-treatment of other metals and alloys	
Mixing	Stir the contents of pack A to disperse settlement, then add pack B and mix until a uniform consistency is obtained not forgetting the base and sides of the container.	
Application	Condition during application: •The temperature of the steel should be min. 5 °C as the curing process at lower temperature will be considerably retarded •Do not expose the primer to water, chemicals or mechanical stress before it is fully cured. •Apply using a brush, spray or airless spray •Thinning is allowable using special solvent up to 5%	
Cleaning	Tools and equipment should be cleaned immediately after use using a powerful solvent.	
Theoretical coverage	0.13 Kg/m² at 50 microns DFT	

Packaging	Two packs (A+B): 5 Kg 20 Kg
Shelf life & Storage	Kemprim ZRS has a shelf life of 12 months if kept in their original packaging in a dry condition.
Health and Safety	• Use goggles, gloves and breathing mask when applying • Apply forced ventilation in confined spaces • Skin splashes to be removed with hand cleaner, soap and water • Eye splashes to be washed with plenty of water • If ingested; drink a lot of water or milk and seek medical advice
Additional Information	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 structures PROKEM designs tailor-made products should there be a critical application that requires specific properties rather than our main range for our customer's satisfaction PROKEM reserves the right to change the properties of its products All orders are accepted subject to our current terms 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 PROKEM extends technical services to include after-sales support to assist users in the proper handling of our products