

EPOXY ZINC RICH ULTRA



DESCRIPTION :

Epoxy Zinc-Rich Primer is a heavy-duty, two-component primer designed to provide maximum cathodic and corrosion protection for structural steel and metallic surfaces. By combining the physical barrier properties of a premium epoxy resin with the sacrificial protection of high-purity zinc dust, this formulation ensures long-term durability in highly corrosive environments. When used in combination with suitable intermediate coats the system exhibits exceptional water impermeability, resistance to salt spray and C5 & CX environment.

USES:

It is recommended as an original and maintenance coating for the protection of outdoor steel structures, yards and in chemical factories, warehouses and yards where the surfaces are liable to be attacked by direct sunlight or not. It is also recommended on coastal areas with suitable mid and top coats to conform the conditions of surface barrier coatings.

TECHNICAL DATA :

Colour	Grey
Finishing	Smooth/ Matt
Volume Solids Approx.	73 ± 1
Recommended DFT /Coat	35 - 50 microns
Theoretical Coverage	Capacity 10.9 sq.mtr/ ltr @ 35 microns DFT 7.6 sq.mtr/ ltr @ 50 microns DFT
Over coating interval at	Min. : 12 hours Max. : Unlimited, provided surface is completely free from corrosion, contamination and zinc salt
WATER RESISTANCE	Excellent
SOLVENT RESISTANCE	Very Good
POT LIFE (Mixing A& B)	6-8 hrs
Dry Film Zinc Content	85%

FILM THICKNESS AND SPREADING RATE :

	Minimum	Maximum
Film thickness, dry (μm)	30	150
Film thickness, wet (μm)	75	350
Theoretical spreading rate (m ² /l) 7 10 (non-absorbent, non-porous surface)	7	10

MIXING :

- If settling is observed in the drum, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogenous mixing. Continuous stirring is required during the application to avoid settling
- Mix hardener gradually into the base under continuous stirring as per the mixing ratio. Once the unit has been mixed, it should be consumed within the working pot life. In case of part mixing (which should be avoided), close the lids of containers tightly to avoid contact with atmospheric moisture.
- Thinner should be added after mixing the components and posting the induction time. Addition of excessive thinner will lead to reduced sag resistance and increased settling tendency.
- Continuous stirring is required during the application to avoid settling of zinc dust

APPLICATION :

Mix base and hardener thoroughly as per ratio. Apply on abrasive blasted steel (min. SSPC-SP10 / Sa 2½). Use air spray, airless spray, or brush for small areas. Maintain continuous stirring during application to avoid zinc dust settling. Apply only on clean, dry, and rust-free surfaces. Do not exceed recommended thinner ratio.



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CLEANING :

Do not allow the product to remain in hoses, guns or spray equipment. Clean all equipment's immediately after use with Thinner SAAK T 141. It is recommended to periodically flush out spray equipment during the working day. The frequency of cleaning will depend on the amount sprayed, temperature and time gap.

- All surplus material and empty containers should be disposed of in accordance with appropriate regional legislation

SHELF LIFE:

@ 30°C 18 months, in original sealed container, with proper storage conditions.

COVERAGE :

10.9 m²/L at 35 microns DFT

7.6 m²/L at 50 microns DFT

(Theoretical coverage; actual may vary based on surface and application method)

FINISHING :

Provides a smooth, uniform, and moisture-resistant surface. Supports long-term durability of decorative and protective topcoats. Enhances finish quality by preventing bubbling, staining, and adhesion failures.

PACKAGING :

23.25 KG (21 KG Base and 2.35 KG Hardener)

HEALTH AND SAFETY :

- As a general safety measure, inhalation of solvent vapours or paint mist and contact of liquid paint with skin & eyes, should be avoided. Forced ventilation should be provided when applying paint in confined spaces or stagnant air. Even when ventilation is provided, respiratory, skin and eye protection are always recommended when spraying paint.

- Please refer our Material Safety Data Sheet prior to using the product.

- This as industrial product, contains flammable materials and should be kept away from the sparks and open flames, smoking in the area should not be permitted. Local safety regulations should be followed

SAAK also provides various technical information such as CAD details, detailed method statements, specification clauses, application manuals, product selectors and technical support both in contractors and consultants offices as well as construction sites. For further information on these products and systems kindly check our website or contact your local SAAK representative.

