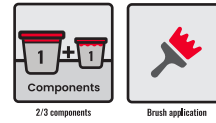


SAMZINC® EP

EPOXY METALLIC PRIMER



DESCRIPTION:

- SAMZINC® EP is a two pack zinc-rich anti-corrosive epoxy primer for ferrous metal structures. It is based on epoxy-resin and the cured product possesses excellent anti-corrosive and adhesive properties. The cured film consists of about 90% metallic zinc, which gives sacrificial protection to the ferrous metal in the event of break occurring in the film. SAMZINC® EP is delivered in pre-measured proportions of base and hardener. It replaces ordinary zinc-rich coating product, hot-dip galvanising and metal spraying and gives first class protection to the metal substrate.

ADVANTAGES:

- The high chemical-resistance and adhesion of epoxy resin combined with the sacrificial protection obtained from zinc particles provides a priming coat suitable for application to ferrous metal surfaces under conditions of severe corrosion.
- It is used as a primer for chemical resistant surface based on polyurethane, epoxy and chlorinated rubber resins.

METHOD OF USES:

- SAMZINC® EP must be applied directly to ferrous metal structures and there must be intimate contact between the base metal and the particles of zinc. The ferrous metal must therefore be rigorously cleaned before application commences.
- The best method is to shot-blast the surface or rotary wire brushes and chipping hammers can be used. Flame cleaning can also be efficient, provided the primer is applied to the metal upto 4 hrs after cleaning whilst the metal itself is still warm.
- The two components must be thoroughly mixed together ensuring the zinc particles are completely dispersed.
- Porous concrete or mortar may require two coats of the primer.
- The mixed SAMZINC® EP is brushed onto the clean metal surface, ensuring there is a continuous film formation. Particular care must be taken to welds and joints. Where welding is to take place on top of the primer, the weld must be thoroughly wire brushed to remove slag and excess flux before applying a further coat.

PRODUCT DATA:

Form	Part I: Liquid Part II: Liquid
Base	Epoxy-resin
Colour	Silver, grey
Coverage / Consumption	5-7 sq. m / kg for single coat application (DFT 25 micron for single coat application) (when part I and part II are mixed)
Pot life	45 minutes at 25°C (35°C after mixing)
Ratio	Part I: 0.750 kg Part II: 0.250 kg
Shelf life	12 months at 25°C
Safety	Non-flammable Use gloves, goggles and protective clothings.
Packing	5 kgs and 1 kg

RECOMMENDED APPLICATIONS:

- Steel structures, leg supports and structural framework exposed to corrosive atmosphere
- Pipelines, ducts, pipe racks etc. to provide protection against corrosive atmosphere
- Structural members (like beams, columns), machinery foundations etc. exposed to corrosive atmosphere
- Structural steelwork, chemical processing plants, machinery, internal and external tank surfaces and all iron and steel structures where long term protection is essential

CONSULT OUR PRODUCT APPLICATION DEPARTMENT (PAD) IN CASE OF ANY DIFFICULTY OR FOR TECHNICAL ASSISTANCE

SAMROCK products are guaranteed for the performance of material and manufacture.
The details given here are based on our laboratory and field observations and as such as construed to be reliable. But we shall not accept responsibility for any work carried out with our material as we do not have control over other ingredients, workmanship and field conditions. This data sheet is subject to change in view of constant research and development being undertaken in our laboratories. Customers are advised to contact SAMROCK for the latest version.

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