

## STEEL GUARD

### (Epoxy based zinc rich primer)

#### DESCRIPTION:

STEEL GUARD it is two pack epoxy based metallic zinc rich primer, designed as an anti-corrosive primer for protection of steel structures, reinforcement located at industrial polluted environment. It provides excellent corrosion resistance and can be applied as primer.

#### AREAS OF APPLICATION:

- Used as anti-corrosive coating.
- Structural steel, industrial structures & services etc.
- Suitable for mild steel pipeline

#### ADVANTAGES:

- Easy to apply
- Fast curing
- Good bonding to metal
- High weather resistant.

#### TECHNICAL SPECIFICATIONS:


Sr. No	Specifications	Technical Details
1	Composition	Epoxy resin with metallic zinc
2	Appearance	Grey Matt
3	Volume solids	70 %
4	DFT	130 microns
5	Theoretical coverage	15 runn. mtr/ltr
6	Shelf life	12 months in original unopened
7	Mixing ratio by volume	Part A: Part B 4:1
8	Packaging	Part A: 20 Kg Part B: 5Kg
9	Tensile adhesion strength	>2 N/mm <sup>2</sup>
10	Pot life	Approx. 2hrs
11	Density	1.57 kg/ltr @ 27 <sup>o</sup> C

#### METHOD OF APPLICATION:

- Clean the steel surface, remove loose rust particles, scales etc., blasting is recommended.
- Apply alkaline based rust remover (Rust Guard) on to the steel surface by brush or cotton waste.
- Stir the base and hardener separately. If settling is observed in the base or hardener, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogeneous mixing.
- Mix as per mixing ratio 4:1 & apply over steel bar by brush.

### **SAFETY PRECAUTIONS:**

When handling Zinc rich primer, wear protective gloves, safety glasses, and a face mask, and avoid skin contact, eye exposure, and inhalation of vapours.

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