

Epoxy

**EPICHOR SP220**  
Epoxy Zinc Rich Steel Primer**General Properties:**

- **EPICHOR SP220** is zinc rich two-component solvent base epoxy resin, mainly used as a steel primer.
- Excellent anticorrosive coat to steel - Grey in color.
- Its hardener is reactive polyamide.
- Excellent adhesion to steel and concrete substrates.
- Excellent corrosion protection & good flexibility.
- Excellent impact resistance - Long pot life that enables easier application.
- Does not affect the bond strength between steel and concrete.

**Uses:**

Sealer and primer for steel structures as:

- Steel reinforcement for repairing works - Steel equipment and machinery.
- Steel tanks - Trucks - Steel bridges & cars.

**Application:**

1. Clean the substrate & remove any foreign materials, oil and grease chemically or mechanically.
2. Wear gloves & eye goggles before working with epoxy & be sure of good ventilation.
3. Add resin to hardener in a suitable container and mix well.
4. Dilute the component using its **SOLVENT N.X** till 10%, if needed (especially in spraying application).
5. Using a brush, woolen roller, or spray machine, apply **EPICHOR SP220** within a period that should not exceed three hours after mixing.
6. Clean tools using solvent ex.: Thinner
7. Apply the next coat after 24 hrs. (if required)

**Technical Data:**

<b>Initial Curing Time</b>	: 24 hours
<b>Final Curing Time</b>	: After 7 days at ambient temperature
<b>Pot Life</b>	: 180 min. at 24 <sup>0</sup> C : 90 minutes at 30 <sup>0</sup> C
<b>Bond Strength to Steel</b>	: 2.3 N/mm <sup>2</sup> according to ISO 4624
<b>Bond Strength to Concrete</b>	: 2.4 N/mm <sup>2</sup> according to ISO 4624
<b>Consumption</b>	: 1 kg covers 2.5 - 4 m <sup>2</sup> one coat (depends on roughness of substrate)
<b>Chemical Resistance</b>	: Excellent against NaOH, Xylene, Toluene, Ethyl alcohol.
<b>Shelf Life</b>	: 18 months in closed container and away from sunlight, heat and humidity.

**Environment:** - Boots, rubber gloves, dust masks, and safety goggles.  
- Refer to MATERIAL SAFETY DATA SHEETS (MSDS)

**For more information please contact our technical department**

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