

Eco Shield

Economical Epoxy Primer for Protecting Iron and Steel from Rust and Corrosion.

Description: -

Two-component epoxy primer containing solvents. Treated with zinc and anti-oxidants to protect various iron surfaces from rust and corrosion, and resistant to adverse weather conditions.

Usage: -

- Used as an epoxy primer and preparatory paint for various iron and metal surfaces before the final epoxy coatings.
- Used as an epoxy primer to protect reinforcing steel and increase its resistance to rust and corrosion.
- Used as a protective coating for iron and metal surfaces to guard against salt and chloride attacks.
- Used as a primer and protective coating for various metal structures in roads, bridges, industrial works, garages, trusses, tanks, and marine areas.
- Used to protect the bases of equipment, metal machinery, and iron pipes from rust and corrosion.

Advantages: -

- Economical and highly efficient.
- High ability to resist rust and corrosion on various iron surfaces.
- High adhesion strength to various types of iron and metal surfaces.
- High resistance to salt and chloride formation.
- Increases the cohesion and bonding of reinforcing steel with concrete.
- Extends the lifespan of machinery, equipment, and industrial metal structures.
- Easy to apply and does not require special equipment for application.

Characteristics: At 25°

color	Grey
Density kg/liter A : B	1.6 ± 0.05
Mixing ratio by weight A to B.	4 : 1
Solid content ratio by weight A to B.	75 % ± 2 %
Initial setting time	120 : 150 Minutes
Final setting time	24 hours
Full hardness	7 days
Operation period	Average 3 hours
Rate of use	Average 4.5 m/Kg (Average coating thickness 75 micron)

Application instructions: -

- The substrate must be cleaned well, and free from dust, oils, grease, and friable particles.
- Stir compound [A], then add the entire content of compound [B] and mix the mixture well using a slow-speed mechanical mixer (300 RPM) until homogeneity.
- If necessary, thin the product with Power Solv 3 solvent.
- Apply a second coat if needed after 12 hours.
- The product can be painted using a brush, epoxy roller, or spray gun.
- The used tools should be washed immediately after completion with the cleaning solvent Power Solve 1.

Safety precautions: -

- The product should be applied in a well-ventilated area.
- Gloves, protective clothing, and eye goggles should be worn during application.
- Never eat, drink, or smoke during application.
- In case of skin contamination, wash the contaminated area with water and soap.
- In case of eye contamination, immediately wash with abundant lukewarm water and consult a doctor immediately.
- Avoid spilling residues of the product into any watercourse or soil.
- Dispose of product residues or empty containers according to local environmental regulations.

Packages: -

A set of two compounds [A + B], group capacity [1, 4, 20 kg].

Storage: -

The product should be stored for two years in tightly sealed containers and under appropriate storage conditions.

For more information or inquiries, please contact the technical department.

