

Eco Guard

Economical epoxy primer and topcoat paint, colored, resistant to corrosion and rust for iron and steel.

Description: -

Colored preparatory and final epoxy paint with high efficiency in rust and corrosion resistance for iron surfaces, even in harsh weather conditions. It is based on epoxy resin containing solvents and zinc derivatives to ensure cathodic protection. It consists of two components.

Usage: -

- A protection layer for iron tanks used for drinking water.
- A protection layer for reinforcing iron to prevent rust and achieve high bonding strength with concrete.
- A protection layer for steel pipes, machines, and metal surfaces exposed to chemicals and harsh conditions.
- A protection layer for high-voltage electrical towers and poles.
- Painting for operating rooms and facilities in hospitals and food storage.
- A protection layer for iron surfaces, bridges, and road structures.
- A protection layer for water and sewage stations.
- A protection layer for the surfaces of metal structures and iron tanks.

Advantages: -

- High Efficiency & cost-effective.
- High bonding strength between reinforcing iron and concrete.
- Excellent resistance to harsh weather conditions such as moisture.
- High ability to resist rust and corrosion on surfaces.
- Can be used as a primer or a multi-colored final coat.
- Easy application and does not require special equipment.
- High resistance to chemicals, salts, and oils.
- High resistance to abrading factors and friction.

Characteristics: At 25°

color	White – Gray (customized)
Mixing ratio by weight A to B.	4 : 1
Solid content ratio by weight A to B	62 % \pm 1 %
Density kg/liter	1.4 : 0.05
Operating period	4 hours (decreases by increasing the temp.)
Initial setting time	2 hours
Final setting time	24 hours
Full hardness	7 days
Second Coat	12 : 14 hours
Rate of use	200 gm / m ² / coat (75 micron)

Application instructions: -

Substrate preparation: -

- The substrate must be cleaned well, and free from dust, oils, grease, and petroleum substances.
- In the case of rust or corrosion on the surface, it is sanded using sanding or any other suitable method.

Mixing and apply: -

- 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 the mixture needs thinning, it is gradually thinned with Power Solve 5, at our factory until reaching the desired and most suitable consistency for application.
- Apply the product using a brush, an epoxy roller, or an air spray gun.
- At least 12 hours must be elapsed before painting a second coat.
- 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 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 visit our website.

Power-cp.net

