POWER
For Chemicals and Plast

Category **Iron Protection**

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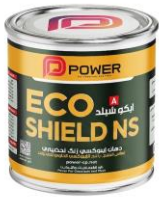

Eco Shield NS

High-Build Epoxy Primer for Steel Protection Against Rust and Corrosion

Description: -

A high-build, solvent-based, two-component epoxy primer, zinc-modified and enhanced with anti-corrosion inhibitors. Designed to protect various steel surfaces from rust, corrosion, and aggressive environmental conditions.

Usage: -

- Used where a high-build primer is required to achieve high film thickness from the first coat.
- Used as a protective coating for high-voltage transmission towers.
- Used as an epoxy primer for steel and metal surfaces prior to final epoxy topcoats.
- Used as an epoxy primer for reinforcing steel to enhance resistance against corrosion.
- Used as a protective coating for steel and metal surfaces against salts and chlorides attack.
- Used as a primer and protective coating for metal structures in roads, bridges, industrial facilities, garages, steel frameworks, tanks, and marine environments.
- Used for protecting equipment bases, machinery, and steel pipelines from corrosion.

Advantages

- High resistance to rust and corrosion for various steel surfaces.
- Excellent adhesion to different steel and metal substrates.
- High resistance to salts and chlorides formation.
- Enhances bonding strength between reinforcing steel and concrete.
- Extends service life of machinery, equipment, and metal structures.
- Easy application without the need for special equipment.
- High abrasion and wear resistance.

Characteristics: At 25 degrees

color	Grey
Density kg/liter A : B	1.6 ± 0.05
Mixing ratio by weight A to B.	5 : 1
Solid content ratio by weight A to B.	80 % ± 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 kg/m^2 (Average coating thickness 75 micron)

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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 dilution is required, use the company's recommended thinner gradually until reaching the desired consistency.
- The product can be painted using a brush, epoxy roller, or spray gun.
- Apply a second coat if needed after 12 hours.
- 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 water or soil.
- Dispose of product residues or empty containers according to local environmental regulations.

Packages: -

2 kits compounds [A + B], weight [1, 4, 25 kg].

Storage: -

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

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