

Power Shield-SF

Epoxy primer paint to protect iron and steel from rust and corrosion.

Description: -

Epoxy primer paint in the form of two components, based on solvent-free epoxy resin and polyamine hardener. Treated with zinc and anti-oxidants to protect various iron surfaces from rust and corrosion, and resistant to harsh weather conditions.

Usage: -

- Used as an epoxy primer and preparatory paint for various iron and metal surfaces before applying the final epoxy coatings.
- Used as an epoxy primer to protect reinforcement steel and enhance its resistance against rust and corrosion.
- Used as a protective coating for iron and metal surfaces, safeguarding them from salt and chloride attacks.
- Used as a primer and protective coating for various metal structures used 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: -

- High ability to resist rust and corrosion on various iron surfaces.
- High adhesive strength to different types of iron and metal surfaces.
- High resistance to the formation of salts and chlorides.
- Enhances the bonding and cohesion of reinforcement steel with concrete.
- Extends the lifespan of machinery, equipment, and industrial metal structures.
- Easy to apply without the need for special equipment during application.

Characteristics: At 25°

color	Grey
Density kg/liter	1.6 ± 0.05
Mixing ratio by weight	4 : 1
Solid content by weight	75 ± 2 %
Initial setting time	120 : 150 minutes
Final setting time	24 hours
Full hardness	7 days
Pot life	Average 3 hours
Rate of use (Theoretical)	Average 4.5 m / kg / (75 μ)

Application instructions: -

- The surface to be painted should be thoroughly cleaned of oils, grease, petroleum substances, and ensured to be free of rust, dust, impurities, or any adhered materials.

- Compound {A} should be stirred well, then the entire content of compound {B} should be added, and the mixture should be thoroughly stirred using a slow-speed mechanical mixer (300 RPM) until fully homogeneous.
- If thinning of the product is required, it should be gradually thinned with the solvent provided by our factory until the desired consistency is achieved.
- The surface to be painted should be coated with the product using a brush, epoxy roller, or air spray gun.
- If a second coat is needed, it should be applied after at least 12 hours from the time of applying the first coat.
- The used tools should be thoroughly washed after use with the appropriate cleaning solvent.

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.
- The used tools should be washed immediately after completion with the cleaning solvent Power Solve 1.

- Dispose of product residues or empty containers according to local environmental regulations.

Packages: -

[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, Visit our website.

Power-cp.net

Disclaimer: The technical data provided herein is accurate and correct as of the publication date and is subject to change without prior notice. The information in this datasheet is not exhaustive. Application conditions should comply with those mentioned in this datasheet. The company is not responsible for any losses resulting from application under differing conditions.

Edition: 7/2024

