Power Therm-ZN

Epoxy Coating for Protecting Metal Surfaces Against Rust and Corrosion – Heat Resistant

Description: -

A preparatory and final epoxy coating (no primer required) designed to protect iron and steel from rust and corrosion. It features high resistance to elevated temperatures up to 175°C. Based on epoxy resin, a special hardener, and other carefully selected materials. It consists of two components.

Usage: -

- Protects various metal surfaces from rust and corrosion due to its antioxidant and zinc content.
- Used when high heat resistance is required.
- Suitable for protecting hot pipes, chimneys, and machine rooms exposed to high temperatures.
- Used to protect cement and concrete surfaces exposed to thermal effects.
- Ideal for protecting iron, metal, concrete, and other surfaces from harmful weather conditions.

Advantages: -

- Excellent resistance to high temperatures (only minor discoloration may occur in some shades above 155°C without affecting the product's properties).
- High adhesion strength to all types of iron, metal, concrete, and cement surfaces.
- Superior rust and corrosion resistance for various iron surfaces.
- Functions as both primer and final coat—no primer needed on metal surfaces.
- Extends the service life of machinery, equipment, and industrial facilities.
- High gloss finish and smooth surface.
- Easy to apply, no need for special tools during application.

Characteristics: At 25°

color	Multicolored
Density kg/liter	1.4 ± 0.05
Mixing ratio by weight A to B.	4 : 1
Solid content ratio	99 ± 1 %
Initial setting time	8 hours
Final setting time	24 hours
Full hardness	7 days
Operation period	Average 45 minutes
Rate of use	Average 3.5m / kg (average 75 micron)
Thinner	Power Solve 6
Dilution ratio	5 : 10 of weight

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 thinning of the mixture is required, gradually dilute using its Thinner until reaching the desired consistency suitable for application.
- Apply the coating using a brush, epoxy roller, or air spray gun.
- For a second coat, allow at least 12 hours to pass after the first coat application.
- Clean used tools immediately after application with Power Solve 1 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 water 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, 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.

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