

# Power Shield-ZR

Zinc rich anti-corrosion Epoxy coating for steel and iron

## Description: -

Power Shield ZR is a two-component solvent-based epoxy coating filled with zinc rich to provide the highest protection against corrosion of iron and steel.

## Usage: -

- Power Shield is used to protect steel reinforcement against rust and to obtain better adhesion between steel and concrete.
- Steel bridges, trusses, and steel structures.
- Steel pipes

## Advantages: -

- Prevents corrosion and rust of steel.
- Adheres firmly to the steel surface.
- Zinc content in dry film thickness is higher than 90 %
- Easy to apply.
- High resistance to water, salts, and chemicals.
- Excellent adhesion & hardness.

### Characteristics: At 25°

color	Gray
Solid content by weight	77 ± 0.01 %
Zinc content in DFT	90 ± 1 %
Density kg/liter	2.18 ± 0.10 kg / L
Mixing ratio by weight	15 : 1
Pot life	45 min
Initial setting time	1 hour
Final setting time	18 hours
Full hardness	7 days
Re-coating time	12 : 24 hours
Min. temperature (Application)	10°C
Thinner	Power solve 5 (10% when needed)
Rate of use (Theoretical)	265 gm / m <sup>2</sup> / (40 μ)

### Application instructions: -

- Surfaces should be free of rust, dust, oil and grease.
- The two components of Power Shield ZR should be thoroughly mixed directly before application by brush or roller.
- In the case of two coats, the second coat must be applied after a minimum of 12 hours after the first coat.

### 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](http://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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