

# Power Shield ZN

Preparatory epoxy paint for protecting iron and steel from rust and corrosion.

## Description: -

Preparatory epoxy paint is in the form of two components and contains solvents. It is Treated with zinc and antioxidants to protect various iron surfaces from rust and corrosion, resistant to harsh weather conditions.

## Usage: -

- Used as an epoxy primer and preparatory paint for various iron and metal surfaces before applying final epoxy coatings.
- Used as an epoxy primer to protect and enhance the resistance of reinforcing iron against rust and corrosion.
- Used as a protective coating for iron and metal surfaces, shielding them from attacks by salts and chlorides.
- Used as a primer and protective paint for different metal structures used in roads, bridges, industrial facilities, garages, gables, tanks, and marine areas.
- Used for protecting the bases of metal equipment, machines, and iron pipes from rust and corrosion.

### **Advantages: -**

- Highly resistant to rust and corrosion for various iron surfaces.
- High adhesive strength to different types of iron and metal surfaces.
- High resistance against the formation of salts and chlorides.
- Increases the cohesion and bonding of reinforcing iron with concrete.
- Extends the expected lifespan of machines, equipment, and metal industrial structures.
- Easy to apply and does not require special equipment during application.

### **Characteristics: At 25°**

<b>color</b>	Gray
<b>Density kg/liter</b>	1.6 ± 0.05
<b>Mixing ratio by weight A to B.</b>	1:4
<b>Solid content ratio by weight A to B.</b>	75 ± 2 %
<b>Initial setting time</b>	120:150 minutes
<b>Final setting time</b>	24 hours
<b>Full hardness</b>	7 days
<b>Operating period</b>	Average 3 hours
<b>Rate of use</b>	Average 4.5 m / kg Average paint thickness is ( 75 μ )

### **Application instructions: -**

- The substrate must be cleaned well, and free from dust, oils, grease, and petroleum substances.

- 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 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 a suitable 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.
- 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 contact the technical department.

