

# Power Shield PUR

Preparatory and finishing paint resistant to rust and corrosion for iron and steel, based on solvent-containing polyurethane resin and treated with zinc.

## Description: -

A high-efficiency primer and topcoat designed to protect various iron and metal surfaces from rust and corrosion, with strong adhesion to all metallic parts and surfaces. The product is based on polyurethane resin, zinc compound, and other carefully selected materials. It consists of two components.

## Usage: -

- Protection of various metal surfaces and structures.
- Coating concrete, cement, and wooden surfaces.
- Protecting barbed wire and mesh from harsh weather conditions.
- Preventing corrosion and rust on metal roofs and trusses.
- Coating metal machinery and equipment.

## Advantages: -

- Highly effective in extending the lifespan of various surfaces.
- Easy to apply with a brush, roller, or spray gun.
- Can be thinned if necessary.
- Provides high efficiency in cathodic protection for various metal surfaces.
- Excellent adhesion to different iron, metal, and cement surfaces.

### **Characteristics: At 25°**

color	Grey
Density kg/liter A : B	1.38 $\pm$ 0.03
Solid content ratio by weight A to B.	68 % + 1 %
Mixing ratio by weight A to B.	6 : 1
Dilution ratio	From 5 : 10 % as need
Initial setting time	Average 45 minutes
Final setting time	24 hours
Full hardness	7 days
Second coat	After 12 hours
Rate of use	200 g /m <sup>2</sup> (100 microns)

### **Application instructions: -**

- Clean the surface to be painted thoroughly, removing any strange materials, grease, and oils mechanically or chemically.
- Sand the surface well to remove rust, if any, then disinfect it.
- The product can be painted using a brush, epoxy roller, or spray gun.
- If necessary, thin the product with Power Solve 1 solvent according to the usage time and weather conditions.
- Apply a second coat if needed after 12 hours.

### **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 tools used should be cleaned immediately after finishing the work with Power Solve 1 solvent.
- Dispose of product residues or empty containers according to local environmental regulations.

**Packages: -**

A set of compounds [A + B], group capacity [0.5, 1, 4 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.

