

# Power Finish PUR

Final polyurethane paint for various surfaces

## **Description: -**

Flexible, multi-colored, and highly efficient final paint for various surfaces, whether interior or exterior, such as iron, concrete, or wooden surfaces, based on polyurethane resin content containing solvents in the form of two compounds.

## **Usage: -**

- Paint and protection for iron surfaces of all kinds, as well as concrete surfaces exposed to the effects of weather, chemicals, and moisture.
- Paint and protection for cement surfaces, cement plaster surfaces, and wooden surfaces exposed to abrading factors, friction, and mechanical stresses.
- Paint and protection for walls and floors of chemical factories, workshops, textile factories, warehouses, and garages exposed to chemicals, oils, greases, and mechanical stresses.
- Paint and protection for food and pharmaceutical factories, nuclear power stations, laundries, and staircases.
- Paint and protection for PVC pipes from weather conditions and ultraviolet rays.

- Used in painting and protecting marine facilities, ships, and metal structures.

### **Advantages: -**

- Highly efficient in resisting the harmful impact of the ultraviolet rays.
- Highly efficient in resisting the harmful impact of chemical substances.
- Highly capable of resisting the effects of acids, alkalis, and harmful oils and greases.
- Highly resistant to soil factors, friction, and mechanical stresses.
- Highly resistant to weather conditions and harmful weathering factors.
- Highly resistant to bacteria and fungi.
- Highly resistant to the formation of salts and chlorides.

### **Characteristics: At 25°**

|                                       |   |
|---------------------------------------|---|
| color                                 | Multicolored  |
| Mixing ratio by weight A to B.        | 8 : 1   |
| Solid content ratio by weight A to B. |   |
| Density kg/liter                      | 1.35 ± 150 min.   |
| Initial setting time                  | 120 : 150 min.  |
| Final setting time                    | 24 hours  |
| Full hardness                         | 7 days  |
| Min. application temperature          | 7° C  |
| Rate of use                           | Average 200 : 250 gm / m <sup>2</sup> 1 coat<br>( 100 μ ) |

### **Application instructions: -**

Note: New Concrete should be at least 28 days old and surface moisture should be less than 4%.

### Substrate preparation

- The substrate must be cleaned well, and free from dust, oils, grease, and friable particles.
- Metal surfaces are cleaned by sanding or using abrasive methods to remove any traces of rust.

### Primer painting

- A preparatory layer of Power Poxy Cellar product is applied to concrete, cement, or wooden surfaces.
- A preparatory layer of Power Zinc Shield product is applied to metal and iron surfaces.

### Mixing and Apply

- 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 with one of the solvents [S or W] Power Solve, according to the seasons' timing and temperature.
- Stir well 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.
- To enhance skid resistance, spray the floor surface after painting the first coat with a layer of clean sand, diameter [0.3:1 mm], at a rate of approximately 1 kg/m<sup>2</sup>. Then apply the second coat.

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

### **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, please contact the technical department.