

Polypaint PB 730 / Topcoat

Construction Chemicals > Floor Coverings > Polyurethane-Based Paint



Two-component aliphatic polyurethane UV resistant topcoat.

■ Fields of Application

- As a topcoat on polyurethane floor coatings and polyurea applications
- On all surfaces requiring UV resistance (with appropriate primer)

■ Advantages

- Resistant to outdoor conditions
- UV resistant
- Long-lasting
- Does not lose its color or flexibility
- Available in RAL colors
- Available in two different packaging sets for flexible (Polyurea, Polyurethane) and hard surfaces (Concrete)

1 Surface Preparation

The surface to be applied must be free of oil, dirt, and old paint. The surface temperature should not be below +10°C or above +35°C. If the application surface is cement-based, it should have gained its strength for at least 28 days. Polypaint PB 730 can be applied without primer on existing polyurea or polyurethane surfaces after application, but if painting is done after 72 hours, care must be taken regarding dust and moisture on the surface. In such cases, Pu primer pb 724 or Epo primer Wb 710 primer should be applied before painting.

2 Preparation of the Mixture

Add 2 kg of component B to 18 kg of component A or 4 kg of component B to 16 kg of component A and mix with a low-speed mixer until a homogeneous consistency is achieved, approximately 3-4 minutes. Do not mix by hand.

3 Application

The mixed material should be used within its pot life, and materials that have thickened should not be thinned and reused. Polypaint PB 730/Topcoat can be applied by spraying or with a roller by hand.

4 Precautions

- Avoid application at temperatures below +10°C and above +35°C
- Use the 18+2 kg set for polyurea and polyurethane surfaces and the 16+4 kg set for concrete surfaces
- The concrete temperature should not exceed 45°C. If the ambient temperature is over 35°C, consider the working time of the material, apply quickly, and reduce the amount of mixture used at one time
- The working and curing times of polyurethane-based products depend on the ambient and surface temperatures. At lower temperatures, viscosity increases, consumption rates increase, and reaction time extends. At higher temperatures, viscosity decreases, and working time shortens
- Avoid application on frozen surfaces, areas at risk of freezing within 24 hours, or areas directly exposed to sun and wind.
- Do not touch the surface for at least 24 hours after application and prevent contact with water

5 Shelf Life

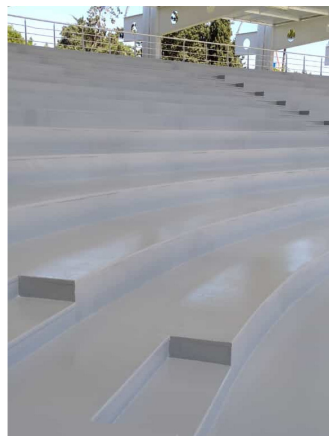
At least 12 months in unopened packaging and protected from freezing.

6 Packaging

20 kg sets (Component A + Component B) 18+2 – 16+4.

7 Consumption Rate

Approximately 150-200 g/m² per coat, depending on the surface condition.



TECHNICAL DATAS

| | |
|--|--|
| Material Composition | |
| Component A | Polyurethane resin |
| Component B | Hardener |
| Mix Ratio | |
| Component A | 18-16 kg |
| Component B | 2-4 kg |
| Mix Density | 1,20 - 1,30 kg/l (20°C) |
| Application Thinner | Polyurethane thinner |
| Pot Life | 6 - 8 hours, 200 g (23°C) |
| Adhesion Strength | > 2 N/mm ² |
| Capillary Water Absorption and Permeability | ≤ 0,1 kg/m ² h ^{0,5} |
| Impact Resistance 1504-2 | Class III |
| Abrasion Resistance (Taber Abrasion Test) | 75 mg 1000 cycles |
| Shelf Life | 12 months in unopened packaging, protected from freezing |
| Packaging | 20 kg set (18 kg metal bucket, 2 kg metal bucket) |