

TRANSPUR SPD

Single-component polyurethane-based coating material

PRODUCT

TRANSPUR SPD is a single-component, polyurethane-based coating.

It is a substance that cures upon exposure to atmospheric moisture. It creates a transparent film on the surface to which it is applied, adhering flawlessly. Due to its formulation containing aliphatic isocyanate, it remains free from yellowing when subjected to direct sunlight. This product is composed of pure elastomeric, water-repellent polyurethane resin, which endows it with exceptional resistance to UV radiation, chemicals, mechanical stress, thermal variations, and natural elements. It can be applied in one or two coats using a brush, roller, or airless sprayer, with a minimum consumption of 0.1 kg/m² per coat.

APPLICATIONS

- Industrial flooring
- Construction materials such as stone, marble, brick, and wood
- Metals
- Components for doors and windows
- Wooden flooring
- Materials for furniture

ADVANTAGES

- Rapid curing.
- Strong and comprehensive adhesion to the entire surface.
- Exceptional resistance to heat and UV exposure. Remains stable without yellowing, peeling, or softening up to 80 °C.
- Outstanding resistance to chemicals and mechanical stresses (high tensile and friction strength).

APPLICATION

Surface Preparation:

The surface must be thoroughly cleaned, ideally with pressurized water, to eliminate oil, grease, fuel, and paraffin residues, ensuring it is entirely devoid of mold release agents, cement remnants, shavings, loose particles, and cured membranes.

Mixing:

It is essential to prevent the formation of air bubbles during mixing; otherwise, bubbles may persist in the cured membrane. Mixing can be accomplished using a mixer operating at low speed (300 rpm) or manually.

Application:

Apply one or two coats using a brush, roller, or airless sprayer. The interval between coats should not exceed 48 hours.

TECHNICAL SPECIFICATIONS

Viscosity	10-20 mPa·s (25 °C)
Specific gravity	0.92±1 g/cm ³
Solids content	% 12
Drying time at 25°C and 55% relative humidity	2-4 hours
Re-coating	4-24 Hours
Service temperature	-40 – 80 °C
Short-term maximum temperature	200 °C
Hardness	> 60 Shore D
Tensile strength at break at 23°C	550 Kg/cm ² % (55) (N/mm ²)
Percentage elongation at 23°C	> %50
Water vapor permeability	0.8 g/m ² ·hour
Water absorption	< %1

AMBALAJ

It can be packaged in a bucket, barrel, or IBC.

CONSUM

Minimum consumption of 0.1 kg/m² for each layer

SHELF LIFE

Can be stored for a minimum of 12 months in its original, unopened containers in dry conditions at temperatures ranging from 5°C to 25°C. Material in opened containers should be utilized promptly.

WARNING

- For applications conducted in enclosed spaces, it is essential that the environment is adequately ventilated.
- In cold conditions, the packaging should be stored for a minimum of 24 hours at a temperature no lower than +15°C prior to application.
- Following application, the surface must be safeguarded against water, rain, dew, snow, hail, frost, and similar weather conditions until it is entirely dry.
- Avoid proximity to open flames and refrain from smoking during application.
- Utilize gloves, goggles, and protective clothing.
- In the event of skin contact, cleanse with soap and copious amounts of water.
- Do not ingest, do not repurpose empty packaging for food storage, and do not incinerate.
- For professional use only; keep out of children's reach.