

PU FLOOR 745
POLYURETHANE SELFLEVELLING
COATING

PRODUCT DEFINITION

Twin component, polyurethane based self-levelling coating

AREAS OF USE

Used as flexible floor coating in all industrial areas where sanitation is desired such as hospitals, schools, offices, sport facilities, shopping malls, hotels, warehouses, freezing depots, reefer truck cases and food production facilities. Does not include any solvent, has a high mechanical and chemical resistance, tension and breaking strength.

PRODUCT SPECIFICATIONS

Color	RAL colors
Appearance	Semi Glossy Discoloring can occur at the places where it is subjected to direct sunlight, but it does not affect the protection performance of the product.
Solid Matter by Weight, %	100
Density	A+B 1,80 gr/cm ³
Usage Rate	A+B 1,800 kg / m ² for 1 mm dry film thickness
Packaging	A Component: 20 kg B Component: 4 kg Total: 24 kg
Fire Point	>25 °C
Mixture Rate	5 / 1
Application Methods	Brush, Roller, Trowel
Mixture Life	30 minutes /25 °C
Shelf Life	1 year
Waiting Time Between Coats	8 hours/25 °C
Drying Time	8 hours/25 °C
Mechanical Strength	7 days
Shore A Solidity (7 days/ 25°C)	75
Abrasion Resistance (TABER)	223 mg TS 8103 EN ISO 5470-1:2002
Capillary Water Absorption and Water Permeability	0,001 (kg/m ² .h) TS EN 1062-3:2008 Class II TS EN ISO 6272-1:2006
Impact Resistance	5 (N/mm ²) TS EN 1542:2001
Tensile Rupture	Efl
Fire Reaction Class	
Equipment Cleaning	Polyurethane Thinner

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SURFACE PREPARATION

Before primer coat application, surfaces must be cleaned of oil, dust and dirt. Free particles on the surface, cement grout on concrete surfaces and other particles which prevent adhesion shall be cleaned.

MIXTURE PREPARATION

Being careful with the mixture ratios of A and B components, it must be mixed for at least 3-4 minutes with a low speed mixer until a homogenous mixture is obtained. Ready for application after mixing. Mixture shall be consumed within 25-30 minutes.

COATING SYSTEM

After a period of 24 hours following undercoating process, the surface shall be leveled with sanding and PU FLOOR 745 shall be applied. The product shall be spread to the surface by using toothed trowel until the desired thickness is acquired in the surface; and the air in the surface shall be removed with spiked roller when the coating has reaches desired level. **In situations where high UV resistance is required, application of 0,150 - 0,200 kg of PURFLEX 926 protective coating per square meter is recommended.**

- Products recommended for use under :

- PRIMER S 110 Multi-Purpose Epoxy Primer
- PRIMER S 115 Solventless Epoxy Primer
- PRIMER S 120 Epoxy Primer for 100% Humid Surfaces
- PRIMER S 170 Low Viscosity Epoxy Impregnating Primer

APPLICATION CONDITIONS

Application shall be prevented if the application environment Temperature is outside +10 C° - +30 C° range.

Application shall not be performed in rainy and windy weather.

Water shall be prevented for at least 24 hours following the coating application.

Thinner products shall not be added to the product during application.

Relative humidity shall not exceed 80% during application.

SAFETY

This product is for professional use. Pay attention to the safety warnings on the package before use, see the product's Material Safety Know-How Index when needed. Do not inhale, avoid contact with skin and eyes, do not swallow, use proper work safety equipment. Take safety precautions for environment protection as well as fire and explosion danger. Apply in well ventilated areas.

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TRANSPORTATION and
STORAGE

- The product must be stored in 5-35°C.
- The product must not be subjected to direct sun light.
- Opened product must be stored in its own package, with its lid firmly sealed and it must be consumed within maximum one week.

NOTE

GRADA reserves the right to make improvements/revisions on the product and this technical document in time. This Know-How Index renders invalid the Know-How Indexes published before, and is valid for 5 years. The user must ensure that the technical document they have is of the latest version, and contact our company when needed for querying about the validity of the document. Proper use of the product, validity of the application conditions and methods are under the user's responsibility. GRADA Epoxy Paint declines any warranty claims regarding the consequences, work accidents, direct or indirect damages or harm caused by not using the product as recommended. Packaging values stated above are the nominal values in the formulae standardized by GRADA. Under normal production conditions, there may be deviations in a level estimated in international standards.