



TECNOFLOOR PU-3060 - TWO-COMPONENT,
AROMATIC, 100% SOLIDS, POLYURETHANE RESIN
FOR FLOORING

TECNOFLOOR PU-3060 is a two-component pigmented, bright, and fluid coating. This product is 100% solids, aromatic polyurethane-based resin that provides a seamless, wearing suitable for the traffic of wheeled vehicles in areas used for car parks.

USES

Polyurethane resin for flooring and protection of:



- Traffic areas as garages, car parks, or industrial floorings
- Floorings of high decontamination and cleaning requirements in the chemical and food industries
- Water waste tanks
- Concrete sealing

NOTE: call our technical department about the application to other supports or situations

density at 23°C	1,80 g/cm ³
tensile strength at 23°C	±15 MPa
elongation at break at 23°C	<75%
dry time at 23°C	2-4 hours
cured time at 23°C	± 7 days
walkable/traffic cars at 23°C	± 24 hours / 5 days
application method	roller, notched trowel, squeegee



COLORS

	Grey RAL 7042
	RAL



GENERAL FEATURES

- Excellent bond and great coverage
- 100% solids, no water, no solvent (odorless).
- Chemical resistance (check our Technical Department)
- High surface hardness, and slightly flexible
- Excellent bonding/adherence to concrete or ceramic tiles surfaces
- An aromatic resin, don't apply outside or apply a topcoat Tecnotop (aliphatic range of resins)
- Don't add water or solvent
- It is recommended that the same batch number is used in each area of application to ensure an even color is obtained.
- To reduce the risk of condensation, both the substrate and the ambient temperature should be a least 3 °C above the dew point at the time of application.
- TECNOFLOOR PU-3060 d should be applied in dry conditions avoiding the presence of humidity or water coming from the surface to be coated or the substrate, whether at the time of application or subsequently (pressure from phreatic water level). In the event there is humidity in the substrate at the time of application, consult the technical specifications of our primers where the maximum humidity ranges are specified
- Total curing takes 7 days; until then, avoid direct contact with water or other reactants.

PACKAGING

Metal tins:

- LARGE KIT: 19,5 kg + 5,5 kg
- SMALL KIT: 3,9 kg+1,1 kg

EXPIRY

12 months at temperatures between 5° C and 35° C, provided it is stored in a dry place. Once the tin has been opened, the product must be used immediately.

APPLICATION METHODOLOGY

Substrate:

- The concrete slab should have a minimum tensile strength of >1.5 N/mm² (MPa) and be free from grease, oil, concrete laitance, curing liquids, or any other treatments, such as silicones or deteriorated paint.
- The substrate should be open pore and, therefore, it is essential to commence by milling or sandblasting, followed by dust aspiration. Sanding is not recommended as a rough, open-pore surface is needed to guarantee adherence to the primer.
- The concrete slab must be over 28 days old (finished setting process), or a moisture content <4%.
- The substrate can be damp, but it should be noted that TECNOFLOOR PU-3060 may not be applied to concrete that exudes water or in areas where the phreatic water level could affect the bonding of the system's components, which could cause the coating to bubble.

Primer:



- It's essential to first of all to prime the surface using our primers (according to the kind and conditions of the support): PRIMER EP-1010/ EP-1020/PRIMER EPw-1070/PRIMER PU-1050/PRIMER PUC-1050, in order to improve surface bonding and saturate the concrete's pores, clogging them to ensure a perfect bond with the surface and absence of bubbles in the subsequent finish.
- it is necessary to wait until the dry time of the primer for the application of TECNOFLOOR PU-3060

Mixing:

- TECNOFLOOR PU-3060 comes pre-weighed in the appropriate amounts for subsequent mixing. Partial mixes of the pre-weighed components are not recommended.
- Shake the pail who contains component A and then pour in the contents of component B.
- Mix using a rod stirrer at low speed until the mixture is thoroughly combined. Make sure you stir well around the edges and at the bottom of the tin.

APPLICATION TYPOLOGIES

Paint:

- Apply TECNOFLOOR PU-3060 using a roller (min. two layers). Consumption is approximately 300 g/sqm and layer applied, depending on the roughness of the substrate

Multilayer:

- Apply TECNOFLOOR PU-3060 using a short hair roller. Consumption approx.: 1,5 kg/sqm
- Sprinkle the surface with silica sand until it is saturated
- Once hardened sweep away the excess sand.
- Lightly sand down the surface, aspirating the residue.
- A rubber fork (squeegee) and then a short nap roller may be used to give the coating its finish. Consumption approx.: 0,5 kg/sqm

Self-leveling:

- For this type of application, the material is poured on the support, then distributing it with a notched trowel with which you can control thickness and consumption. Once past 20 minutes is necessary to pass a spiked roller with which the air outlet will facilitate within the material
- The minimum thickness to get self-leveling is 1 mm. Consumption approx.: 1,8 kg/sqm

NOTE: these consumptions can vary, according to specific uses or requirements.

COMPLEMENTARY PRODUCTS

The TECNOFLOOR PU-3060 polyurethane system may be complemented with the following products as a means of protection or to improve its physical-mechanical properties depending on its exposure, the desired finish, or the type of substrate.

- PRIMER EP-1010: fillerized epoxy resin to be used to fill in depressions in concrete surfaces, rapidly providing a firm and fast drying even base
- PRIMER EP-1020: mixed with SILICA SAND in a ratio of $\pm 1:4$, or calcium carbonate in ratio $\pm 1:2$, this is used to fill in depressions in concrete surfaces, rapidly providing a firm and fast drying even base.
- PRIMER PU-1050/PRIMER EPw-1070/PRIMER PUC-1050/PRIMER PU-1000: these several resins are applied on the substrate beforehand to improve bonding and level the surface, as well as regulating the humidity in the substrate (see permitted levels in their technical specifications). Consumption may vary depending on the type of support, nature, or surface texture. Consult the technical specifications of each product or our technical department.



- TECNOTOP: a two-part colored aliphatic resin, used to protect walkable and vehicular roofs and floors or ground against UV rays when there is no other protection.
- MASTIC PU: polyurethane mastic for filling joints (use together with TECNOBAND 100 when necessary)

Performance may vary depending on the type of support, nature, or surface texture. Check the technical specifications of each product.

HANDLING AND TRANSPORT

These safety recommendations for handling, are necessary for the implementation process as well as in the pre and post, on exposure to the loading machinery.

- Respiratory Protection: When handling.
- Skin protection: Use rubber gloves, remove them immediately after contamination. Wear clean body-covering. Wash thoroughly with soap and water after work and before eating, drinking, or smoking.
- Eye / Face: Wear safety goggles to prevent splashing and exposure to particles in the air.
- Waste: Waste generation should be avoided or minimized. Incinerate under controlled conditions in accordance with local laws and national regulations.

Anyway, consult the safety data sheet of the product.

TECHNICAL DATA

PROPERTIES		VALUES
Density at 23 °C	ISO 1675	±1,80 g/cm ³
Viscosity at 23 °C	ISO 2555	1.500±500 cps
Density comp. A at 23 °C	ISO 1675	±1,50 g/cm ³
Density comp. B at 23 °C	ISO 1675	±1,10 g/cm ³
Viscosity comp. A at 23 °C	ISO 2555	2.000 - 2-500 cps
Viscosity comp. B at 23 °C	ISO 2555	600 - 700 cps
Solids content	ISO 1768	100%
VOC (volatile organic compounds)		0 g/l comp. A + 0 g/l comp.B
Tensile strength at 23 °C	ISO 527-3	>15 MPa
Elongation at break at 23°C	ISO 527-3	±75%
Hardness shore A at 7 days at 23 °C	DIN 53.505	>90
Hardness shore D at 7 days at 23 °C	DIN 53.505	>65
Concrete adherence		>2 MPa
Pot life at 23 °C y 55% relative humidity		±25 minutes
Dry time at 23 °C		2~4 hours
Curing time at 23 °C		±7 days
Recoat time at 23 °C		5~24 hours
Ready to use: walkable/Traffic car at 23°C		±24 hours / 7 days
Adherence to the concrete		>2 MPa
Support/ambiance application temperature range		5 °C ~ 35 °C / 10 °C ~ 30 °C



Ambiance service temperature range

-40 °C ~ 90 °C

These values in this table are approximate and can vary depending on the situation of the carrier or application methodology employed.

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