GELSON
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TECHNICAL
DATA SHEET

REV.5 23/10/2025

GELFLOOR

DEFINITION

High-solid, two-component polyurethane coating.
Formulated for coating the floors of commercial and industrial vehicles and boats. Ideal for non-slip finishes over Gelpur Self-Leveling

CHARACTERISTICS

Part A - GELFLOR:

- Density: 1.88 ± 0.03 g/cm^3
- Color: grey
- Dry residue: 91% ± 2

Part B - GELFLOR – catalyst:

- Density: 1.23 ± 0.03 g/cm^3
- Color: brown
- Non volatile content: 100%

Ready-to-use product:

- Chemical nature: polyurethane
- Dry residue: 92% ± 2
- Color: grey
- Yield: 0.9-1.1 m^2/kg
- Temperature resistance: from - 20°C up to + 80°C
- UV resistance: dulls and yellows, but does not crack.

SUBSTRATE PREPARATION

The surface must be clean and dry. Applicable on:

- **Gelpur Self-Leveling:** wait at least 12/24 hours after product application.
- **Concrete:** the floor must be dry and at least 6 months old. Do not apply to floors where moisture is rising. Thoroughly clean the floor and ensure that no traces of moisture remain. (Caution**:** Approximate cleaning will compromise product adhesion)
- **Wood:** clean thoroughly. must be absolutely dry! A preparatory coat of Gelpur Self-Leveling is recommended.
- **Fiberglass, steel:** degrease and dull with coarse abrasive pad/scourer.

* For any information about product codes or packs, please see our catalogue, our price list or contact us.

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- **Aluminum, galvanized sheet metal:** clean and degrease very well. Pre-treat the surface with an epoxy primer (Z41/Z42).

Before application, preliminary tests are recommended to verify the product's compatibility with the surface to be treated, considering the wide variety of application conditions and materials available on the market.

PREPARATION OF THE MIXTURE

By weight: 100 g of Part A + 17 g of Part B. No dilution is required.
Mix the base for 1 minute before adding the hardener.
While continuing to mix, slowly add the hardener.
Thoroughly mix the two components for at least 3 minutes. The mixture must be of a uniform color and without streaks.

WARNING: non-homogeneous mixing can generate "Islands'' of poorly or non-cured product. The mixture must be used within 15 minutes of its preparation.

POT-LIFE

At 20°C: 15 minutes

APPLICATION

Pour onto the floor and spread with the aid of a rubber squeegee or a short-pile roller.
It is **not a self-leveling product**. It is therefore important to pay attention to the application to obtain a good aesthetic and anti-slip effect.
Working temperature: From 15°C to 25°C. At temperatures above 25°C, the pot-life of the mixture shortens considerably.
DO NOT APPLY AT TEMPERATURES BELOW 10°C.

DRYING TIME

- Walkable possible after 8-12 hours
- Load bearing after 48 hours

The full chemical and physical characteristics of the product will only be reached after at least 5-20 days at a temperature of not less than 20°C. If the temperature is lower, the timeline will inevitably be extended by a few days.

STORAGE

Store the product in a dry environment, away from direct sunlight, at temperatures between 5°C and 30°C.

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