

Pavilevel Pol Plus Flex

Polyurethane self-levelling resin

Two-component polyurethane product, used as a self-levelling and resistant coating.



Product

- 100% solvent-free solids.
- High chemical resistance.
- Excellent anchorage on concrete.
- Increases hardness and resistance to abrasion.

Resistance table

- **Abrasion resistance** 20 mg (Taber, CS-10, 1000 g, 500 cycles)
- **Impact resistance** >14,7 N/m (UNE-EN-ISO 6272)
- **Adhesion to various substrates (EN 13892-8)** Concrete: 1,5 MPa
Galvanised steel: 2.5 MPa (with PU Activating Primer)
- **Chemical resistance** Surface contact, 24 hours, 25°C (5=ok, 0=not recommended)
- **UV resistance** Aliphatic polyurethane protection (Colodur, Colodur ECO) is recommended where sun exposure is likely. Without this protection, colour changes are likely, although these do not lead to any loss of mechanical properties.
- **Temperature resistance and use temperature** Stable between -15°C and 80°C.
- **Gloss** 77% (at 60°)

Curing time

25°C, 60% hr | Light transit 15hs | Total 4 days

25°C, 40% hr | Light transit 18hs | Total 4 days

35°C, 40% hr | Light transit 15hs | Total 3 days

6°C, 60% hr | Light transit 100hs | Total 8 days

Commissioning

Under normal conditions light foot traffic is possible the next day. Proper curing for most uses takes approximately 3 to 4 days.

Repainting

A second application of **Pavilevel Pol Plus Flex** is possible up to 24 hours after verification of the drying (light traffic) of the first application.

Applications

- Dwellings.
- Corridors.
- Offices.
- Canteens / Restaurants.
- Rooms in hospitals / clinics / residences.
- Commercial areas.
- Cold storage rooms.
- Car parks.

Properties

- Solvent free.
- Good abrasion and scratch resistance.
- Good resistance to compression and impact.
- Applicable on asphalt substrates.
- Dampens impact noise.

Supports

Concrete, cements, mortars.

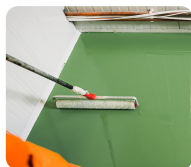
Carrier requirements

- The substrate to be treated must have the following minimum mechanical resistance:
 - Cohesion:** minimum 1.5 Mpa.
 - Compressive strength:** minimum 25 Mpa.
- The substrate must be totally free of water pressure or water vapour.
- The substrate must be clean, dry and free of any areas with less or no adhesion, and with a moisture content of less than 4%. It shall be free of oil, grease, cured product stains and any substance that could interfere with adhesion. The substrate temperature shall be between 10°C and 25°C.
- If moisture is suspected in the substrate, a suitable primer should be used.
 - On new concrete or mortar, wait at least 21 days before applying this system, to allow the substrate to dry.

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Usage ways



Open the container of **component A**. Mechanically shake the product at low speed to avoid excessive air ingress. Homogenisation of **component A** should take about 2 minutes. Then pour **component B** into the container of **component A** and mix in the same way for 2 minutes. Pour the mixture into a larger container and check that there are no unmixed residues.

Depending on the size of the surface to be applied, allocate sufficient personnel to carry out the mixing, application and de-aeration quickly and evenly.

One coat of **Pavilevel Pol Plus Flex** is applied at a rate of 3 kg/m², giving a thickness of approximately 2 mm.

Associated products

*Pavifloor



Presentation

Pack A+B: 21.2 kg.+3.8 kg.

Solids content

(%) 100

Flash point

>100°C

Colour

Comp A according to pigmentation
Comp B Brown

Density

Temperature 25 (°C) Density (g/cm³) 1.40-1.20

A/B ratio

A=100, B=18 by weight
A=100, B=21 by volume

⚠ IMPORTANT

The remarks and prescriptions in this data sheet, although corresponding to our best experience, should in any case be considered purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.