

EUCOFLOOR PU D60

POLYURETHANE SELF LEVELLING FLOOR - 2 TO 3 MM - "SEMI-FLEX"

FIELD OF APPLICATION

EUCOFLOOR PU D60 is a "semi-flex" polyurethane-based, self-levelling floor. Intended for the protection of floors with high loads, in view of industrial, public and private applications with a hardness shore D 60. The cast floor can be applied in a layer thickness of 2 to 3 mm with a smooth and robust finish.

- Can be applied indoors
- Protection of heavily loaded floors such as in workshops, warehouses, garages, industry, military buildings, public buildings, shopping centres, heavily loaded areas, car parks, shops, offices, schools, museums, private residences, ...
- Protects and is liquid-tight.
- Concrete floors, old tiles, old synthetic resin systems, ...
- Etc.

BENEFITS & FEATURES

- Solvent free.
- Excellent flow.
- Excellent adhesion.
- Very good chemical, mechanical and abrasion resistance.
- Easy to apply, to maintain and seamless..
- Semi-flex and comfortable feeling resin floor.
- Can be applied in 2 to 3 mm - smooth finish.

APPLICATION

Application conditions

EUCOFLOOR PU D60 must be stored between +15 and +25°C, approximately 24 hours before application. The surface, the ambient temperature and the temperature of the equipment to be used must be between +5°C and +30°C.

Relative ambient humidity: max. 80%. Substrate moisture content: < 5% (weight percent). Compressive strength of the substrate: min. 25 N/mm². Tensile strength of the substrate: min. 1.5 N/mm²

Dew point before and during application and during curing: The temperature of the substrate must be +3°C higher than the dew point.

Provide sufficient ventilation after application to obtain good curing of the product.

Tools & complementary products

- Mixer with spindle.
- Trowel, toothed comb (triangular profile) or rake.
- Clean mixing containers.
- Masking tape.
- EUCOSOLV MEK (for tool cleaning)

Preparations

The surface to be treated must be dry and free of standing water (moisture content <5%). Make cracks, joints and other parts showing water leaks completely water and leak proof with the EUCCHEM BV EUCCINJECT injection resins. Existing screeds and concrete surfaces must be at least 28 days old. Remove loose, poorly adhering or insufficiently load-bearing

parts mechanically. Then brush well and remove dust with an industrial vacuum cleaner.

Repair the areas that are insufficiently flat with an egalising / levelling layer or mortar complementary to the system to be installed. The surface must be free of dirt, grease, release agent, grease, old, demoulding oil, cement skin, old paint layers that do not adhere well, coatings, synthetic resin layers, adhesives, bitumen, ... or other matters that can adversely influence the adhesion.

The substrate must therefore also be mechanically pretreated. For example by bullet blasting, sandblasting or by sanding the surface.

When applying EUCOFLOOR PU D60 on existing old synthetic resin coatings or floors, always sufficiently grind, degrease, make dust-free and clean the surface. Always use clean equipment and clean mixing containers.

Always apply a suitable primer (and/or a levelling layer) before applying EUCOFLOOR PU D60.

Preparation of the product

First mix component A mechanically for 2 minutes with a mixer and spindle. Then add the B component completely to the A component and mix again for at least 2 minutes until a homogeneous mixture is obtained.

The mixing operations are carried out with a mixer at low speed (max. 300 rpm) in order not to include air in the resin. This avoids the formation of air bubbles in the mixture.

Application of the product

Process the product within 25 min. after mixing. (at +20°C) Pour the mixture onto the already primed surface to be treated. Spread evenly with trowel, tooth comb or rake.

(2 mm = 2.8 kg/m²) - (3 mm = 4.2 kg/m²)

If applied onto a well prepared substrate, it is usually not required to roll with a dotted roller. If necessary, roll within 15 to 45 minutes after applying the cast floor.

Finishing

Apply a complementary topcoat after 24 to 48 hours after applying EUCOFLOOR PU D60.

Cleaning of the tools

Clean the used equipment with EUCOSOLV MEK. Cured product residue must be removed mechanically.

MAINTENANCE AFTER APPLICATION

See the EUCCHEM BV information leaflet SYNTHETIC RESIN FLOORS - CLEANING AND MAINTENANCE.

TECHNICAL DATA

Consumption

Approx. 1.4 kg/m²/mm layer thickness

Technical data & reaction times

Property	Value
Basic raw materials	Polyurethane resin - solvent-free.
Composition	2 components
Density	1,4 kg/dm ³

Hardness Shore D	55 - 65
Pressure resistance	> 35 N/mm ² .
Flexural strength	> 30 N/mm ² .
Elongation at break	160%
Adhesion onto concrete	2.2 N/mm ² .
Heat resistance	60°C
Curing	Shrink-free.
Colour	RAL - on request

Pot life after mixing: 25 min.

Recoat time: After 24 hours

Pedestrian accessible: After 24 hours

Can be mechanically loaded: After 2 days

Full curing + mechanical load: (Attention: water is also a chemical product): After 7 days

Values measured at 20°C. Changes in temperature result in different values.

Chemical resistances

Good chemical resistance, also against organic chemical compounds (hydrocarbons). When used in applications with chemically contaminated water, it is advisable to consult your EUCCHEM BV representative.

Additional documentation & referrals

Always consult all technical data sheets and material safety data sheets of the products to be used. Always work with clean tools in good condition.

APPEARANCE - COMPOSITION - PACKAGING

EUCCHEM PU D60 is available as follows:

25 kg set:

Comp. A : 21,1 kg

Comp. B: 3,9 kg

EUCCHEM PU D60 can be stored in its original, unopened packaging and in a dry room. Do not store in direct sunlight and between +10°C and +30°C. It has a shelf life of 12 months after production date, provided it is stored under the conditions described above.

ADDITIONAL COMMENTS

Expansion joints must be included in the system. Contraction joints, cracks and joints can be overcoated, if treated correctly, provided they are not active and do not / no longer follow the movements / settlement of the building. For special applications it is advisable to consult your EUCCHEM BV representative.

SAFETY PRECAUTIONS

Always use personal protection in accordance with the local guidelines. Consult the appropriate safety sheets before use. All most recent safety data sheets are always available at [op www.eucochem.com](http://www.eucochem.com). When in doubt, contact our technical service.

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