

EUCOFLOOR PU SPECIAL

SPECIAL POLYURETHANE FLOORING MORTAR

FIELD OF APPLICATION

EUCOFLOOR PU SPECIAL is a special, polyurethane-based flooring mortar. The filler components consist of quartz and recycled rubber granules.

- The floor has been developed as a sterile, protective floor with high anti-slip values and has a soft effect to give animals (including ungulates) a comfortable feeling. (Riding school, zoo, animal parks, animal hospital, horse trailers, dog kennels, animal shelter, ...)
- Due to the special anti-slip properties and its good impact resistance, the floor is also extremely suitable as a floor on the deck of boats (not aesthetic), marine applications, very wet industry floors, shipping, ...
- Can be used indoors and outdoors.
- Protects and is liquid-tight.
- Concrete floors, old tiles, old synthetic resin systems, metal, ...
- Etc.

BENEFITS & FEATURES

- Fillers are quartz and recycled rubber.
- High abrasion resistance and good impact resistance.
- Anti-slip
- Liquid proof
- Easy to clean and disinfect.
- High mechanical resistance.
- Solvent free

APPLICATION

Application conditions

EUCOFLOOR PU SPECIAL 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..
- Squeegee, trowel.
- Clean mixing containers.
- Dotted roller.
- 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 EUCOCHEM BV EUCCOINJECT

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 SPECIAL on existing old synthetic resin coatings or floors, always sufficiently grind, degrease, make dust-free and clean the surface.

Blast metal surfaces (SA 2,5) and degrease with EUCOSOLV MEK. After evaporation of the EUCOSOLV MEK, immediately apply a suitable metal primer. This to prevent re-oxidation.

Always use clean equipment and clean mixing containers.

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

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. Then gradually, while mixing, add 12,5 kg of filler component C and 12,5 kg of filler component D. Mix to obtain a homogeneous mixture.

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 30 min. after mixing. (At 20°C) pour the mortar onto the surface to be treated and spread evenly over the surface. (Thickness: min. 17 mm to max. 23 mm). After 15 minutes roll with the dotted roller.

Finishing

Does not apply.

Cleaning of the tools

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

MAINTENANCE AFTER APPLICATION

The most suitable cleaning method is to brush away the loose contamination and then rinse with water. High pressure cleaning is possible.

TECHNICAL DATA

Consumption

Approx. 1.5 kg/m²/mm layer thickness

17 mm = 25.5 kg/m²

23 mm = 34.5 kg/m²

Technical data & reaction times

Property	Value
Basic raw materials	Polyurethane resin - quartz - recycled rubber granules - solvent free.
Composition	4 components
Density	1,5 kg/dm ³
Wear resistance (Taber)	<100mg (CS10-1000tr-1kg)
Tensile strength	B 1,5
Impact resistance (DIN EN ISO 6272)	>10 Nm
Curing	Shrink-free.
Colour	Black - green - red - ochre

Pot life after mixing: 30 min.

Pedestrian accessible: After 12 hours

Can be mechanically loaded: After 24 hours

Chemical load: (Attention: water is also a chemical product):

After 3 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 SPECIAL is available as follows:

67.5 kg set:

Comp. A : 36,92 kg

Comp. B: 5.58 kg

Comp. C: 12.5 kg

Comp. D: 12.5 kg

NOTE: Comp. C and Comp. D are only available in 25 kg bags.

EUCCHEM PU SPECIAL 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 6 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://op.www.eucochem.com). When in doubt, contact our technical service.

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