

EUROFLOOR PU SL D40/50/70

SYSTEM DESCRIPTION

EUROFLOOR PU SL is a two-component, mono-coloured, solvent-free system, self-levelling resin on the base of selected polyols in combination with aromatic isocyanate curing agent and a filler of silica, characterized by elasticity and hardness.

APPLICATION

All types of industrial premises, shops, warehouses, offices, exhibition spaces, hospitals, laboratories, aircraft hangars, nuclear industry. Specially these where hygienic -and aesthetic functionality comes together. Also suitable for thin coating application like anti-skid systems and surface coatings for application in car parking's and industrial applications. Thanks through it's elasticity this system can be installed on cracked subfloors and as e elastic topcoat on weak and elastic subfloors. It also function as a noise absorbing system. The elasticity gives the system the possibility to be crack absorbing and maybe installed as a construction layer on sport floors (D40).

PROPERTIES

- excellent adhesion to the substrate
- high abrasion resistance
- good chemical resistance
- excellent mechanical properties
- easy to clean
- In different categories available (D40, D50, D70)

TECHNICAL DATA

Application of primer Europox Z (or Europox OS, Europox TF) broadcast with quartz.	
Application of Europox PU SL.	
Europox PU WA 2K12 varnish - Option	
elasticity	D40 : ca.150 %, D50 : ca.100 %, D70 : ca.50%
Abrasion resistance	8cm ³ / 50 cm ² (target Boehme)
Water absorption	≤ 1%
The pot life after mixing	30-40 min. (at 20°C)
Dust-free	24 hours (at 20°C)
Full load mechanical and chemical	7 days
Resistance to heat (water)	to 70°
Resistance against chemical	to oils, fats, petrol, some solvents, weak acids and alkalises

Self-levelling system: 2-3 mm

- Europox Z : Using 0.3 - 0.4 kg/m² (It is advised the Europox Z to fill with fine quartz fillers to create a closed subfloor). Broadcast with fine quartz 1,5 kg/m².
- Europox SL PU D40 2,5 kg/m²
- Europox SL PU D50 2,5 kg/m²
- Europox SL PU D70 3,0 kg/m²
- For mat finish we suggest Europox PU WA 2K12 (0,12 kg/M²)

SYSTEM EUROFLOOR PU SL

THICKNESS	PRIMER	CONSTRUCTION	TOPCOAT
8 mm	Europox Z 0,2 kg/m ²	Europox PU SL D50, D40,D70 3 kg/m ²	Europox PU D 50, D40, D70 0,1 kg/m ²

APPLICATION

SUBSTRATE PREPARATION

Subfloor new min. 28 days old. It should be clean, well-connected and not crumble. In most of the cases we suggest to prepare the floor with the shot blasting machine to remove laitance and surface irregularities. The concrete should have high strength (min. concrete B25 checked using the "pull off"> 1.5 MPa) and be free of contaminants such as: grease, oil, dirt, etc.

Substrates old. Require scarifying or grinding - depending on their condition. Strength of the substrate must be > 20 N/mm². Cracks and cavities must be repaired before laying the floor. Sometimes it is necessary to use detergents to eliminating grease and oil.

The unevenness of surface should not be more than 50% of the thickness of the system .

APPLICATION CONDITIONS

The room and subfloor temperature should not be less than 10° C. Recommended temperature of the material before applying it to 20°C. The material should not be applied to the substrate if the temperature is lower or equal to the dew point temperature.

MIXING THE MATERIALS

The material consists of two components capable of reacting. Before pouring the ingredients together they must be thoroughly mixed separately especially component A. Please keep the restrictions with maintaining prescribed mixing relations, which have a very large impact on the quality of the final product. The individual components are supplied in an amount mutually adapted. When pouring the ingredients to mix to completely empty the containers. When processing the contents of the package, be sure to weigh ingredients while maintaining specified proportions. Do not slow down or accelerate the reaction by varying the amount of hardener. When mixing, use the appropriate mixers. (for more information please contact our office) Please prevent the mixing of air, and excessive heating of the mixed material, which accelerates the curing reaction and shorten the life of the mixture. All ingredients to mix about 2-3min. Streaks indicates inadequate mixing. After mixing, the mass is ready to installation.

1. Primer.

- EUROPOX primer should be applied with a roller or when filled with a squeegee. (sometimes it is necessary to apply two coats of primer) broadcast of fine quartz.

2. Construction coat

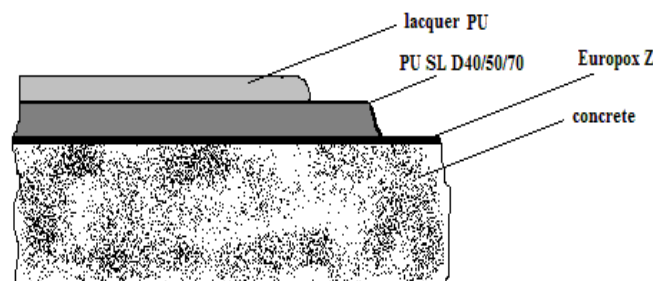
- After grinding and vacuum cleaning of the primer coat the construction coat can be installed. EUROPOX PU SL - should be poured on the primed surface and equally divided using a special trowel with teeth with adequate height. After spreading, the material should be rolling out a roller with spikes in two opposite directions to prevent air bubbles and helps the material for full levelling.

3. Optional mat finish.

- Sealing layer - EUROPOX PU WA 2K12 varnish, applied to obtain a matt finish, applied with a roller MIKROTEX.

If in doubt, contact the customer service.

EUROFLOOR PU SL D40/50/70 SYSTEM LAYERS



FLOOR CARE

The floor must be cleaned frequently and regularly to prevent the build-up of dirt on the surface. It is recommended to use alkaline detergent dissolved in water. Look for our specifications for cleaning for polyurethane floors.

COLOURS

Colours – according to RAL K7 probe: 1015 / 3009 / 5014 / 6021 / 7032 / 7035 / 7042.

STORAGE CONDITIONS OF COMPONENTS

- store in tightly closed containers or containers
- open the fire to keep away
- the minimum storage temperature of +5 ° C
- avoid contact with skin
- avoid breathing vapours from heated material
- do not expose the individual components with acids, strong oxidizing agents, bases
- the material does not present spontaneous explosion

TERMS OF GUARANTEE

This product must be installed by trained contractors. Supplier is not liable for errors resulting from the buyer failure to comply with this CARD SHEET.

FIRST AID

<p>SKIN</p> <ul style="list-style-type: none"> • remove contaminated clothing • wash contaminated skin with water mild detergent • do not use solvent • created to bandage the wound with a sterile bandage • consult your doctor if you keep complaints <p>INHALATION</p> <ul style="list-style-type: none"> • the fumes poisoning the victim to provide plenty of fresh air • lay the victim at rest • protect against heat loss, and loss of consciousness 	<p>EYES</p> <ul style="list-style-type: none"> • eye should be rinsed thoroughly with clean water • the eyelid wash with plenty of water • If the symptoms persist seek medical advice <p>DIGESTIVE</p> <ul style="list-style-type: none"> • drink plenty of water • give activated carbon • if the symptoms persist consult a physician.
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PROTECTION

1. All workers should be trained in detail in the handling of polyurethane resins.
2. It is not permitted for persons with allergies to perform work near the resins.
3. Protective glasses and gloves should be used if there is a danger of splashing the emulsion.
4. after every contact of the emulsion, it is important to wash the hands with water and mild cleaning agents (this is especially important before meals). Do not use benzene, toluent or tetrachloride carbonate!
5. Due to hygienic reasons, there should be no food or drink consumption in the workplace as well as no smoking of tobacco.

ECOLOGICAL INFORMATION GENERAL

- The individual components and their uncured mixture can contaminate water.
- Do not let them reach ground water, water course or sewage system.
- Should always lead to a hardening of the remaining material.
- Cured product residues should be disposed of as artificial material.