

EUROFLOOR PLEXILITH PU MA

SYSTEM DESCRIPTION

Eurofloor Plexilith PUMA is a three component flooring system based on reactive elastic methyl-meth-acrylate resins, solvent less, with a high-resistance against mechanical and chemical impacts. Through its system of hardening the Plexilith products can be used also under 0° temperature applications.

APPLICATION

Wherever required a flexible protection against cracking of the subfloor such as roads, bridges, parking lots. The system does absorb the crack up to 1 mm. It can be applied to a thickness of 3 cm in a stacking cycle. At the same time protects the concrete against corrosion due to the weather. As a material with a very short curing time is indicated to perform the work maintenance and repair. In special formulation the product can be used on weak subfloor because of its 'stressless' behaviour. It finds its way on bridges, loading ramps, cracking subfloors because of moving, ice-freezing cold store rooms, metal loading ramps and more. Possibility to make very thick repair layer without cracking stress.

PROPERTIES

- Fast curing, after 2 hours the floor is completely cured
- Possibility to make anti-slip floorings
- Even curing under severe circumstances (below 0°C)
- Very good abrasion and mechanical resistance
- Very good chemical resistance

THE SYSTEM INCLUDES

Primer	<ul style="list-style-type: none"> • Europox Plexilith 112 primer: package 30 kg and 180 kg.
Construction resin	<ul style="list-style-type: none"> • Europox Plexilith PUMA: package 30 kg and 200 kg.
Plex 192	The catalyser the second component for starting the reaction. Available in different packages.

TECHNICAL DATA

Pressure strength	> 25 N/mm ²
Pull Off	> 1,5 N/mm ²
Impact resistance	70 mm ²
Abrasion resistance	8cm ³ / 50 cm ²
Water absorption	< 1%
Resin	Potlife: 20°C – 20 min. (3% Catalyser)
Reaction speed	60 min. dry and 120 for full load
Resistance against temperature	60° hot water
Hygienic Atest PZH	HK/B/0134/01/2010
Resistance against chemical	for a detailed information please inform our office

SYSTEM EUROFLOOR PLEXILITH PU MA (10 mm)

THICKNESS	PRIMER	BROADCAST	CONSTRUCTION	FILLER	BROADCAST	TOPCOAT
6 mm	Plexilith 112 primer 0,35kg/m ²	Quartz 0,8-1,2 mm 0,6 kg/m ²	Plex PUMA 3,0 kg/m ²	Quartz Mix 10,5 kg/m ²	Quartz 3 kg/m ²	Plex 168 0,8 kg/m ²
10 mm	Plexilith 112 primer 0,35kg/m ²	Quartz 0,8-1,2 mm 0,6 kg/m ²	Plex PUMA 3,0 kg/m ²	Quartz Mix 20,5 kg/m ²	Quartz 3 kg/m ²	Plex 168 0,8 kg/m ²

APPLICATION

SUBSTRATE PREPARATION

New substrate should be clean, well-connected and not crumble and older than 28 days. The moisture content should be no more than 4%. If necessary, it should be prepared by shot blasting machine to remove laitance and dirt connected with the subfloor. 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. Older concrete substrates must be prepared mechanically using abrasive blast cleaning, scarifying or grinding equipment to remove cement laitance and achieve an open textured surface. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried with material of the same kind. High spots must be removed by e.g. scarifying or grinding. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

APPLICATION CONDITIONS

Material should not be applied on the substrate where the temperature is less than or equal to the dew point temperature.

MIXING THE MATERIALS

The material consists of Tyree components capable of reacting. Before pouring the ingredients must be thoroughly mixed together with maintaining prescribed mixing relations, which have a very large impact on 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. When mixing, use the appropriate mixers driven the speed drills. 400/min. Do not heat up the materials which accelerates the curing reaction and shorten the life of the mixture. All ingredients to mix about 2-3 min. Streaks indicates inadequate mixing. After mixing, the mass is ready to install.

LAYER 1

- Primer PLEXILITH 112 must be applied with a nylon roller. It is recommended to broadcast the primer with quartz to attempt a better adhesion on the construction coat.

LAYER 2

- Construction coat PLEXILITH PUMA resin with mixed filler, should be evenly applied to the substrate using a tooth rake with height adjustable legs. After smoothing, quartz is broadcasted in the fresh floor.

LAYER 3

After hardening the topcoat is applied using a squeegee.

EXPANSION JOINTS

Existing construction joints must be labelled before laying Eurofloor PLEXILITH PUMA and return after the cured floor if they expected to be active.

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. For more information how to clean Plexilith floor please ask for the information at our office.

COLOURS

Colours – according to RAL K7 probe

STORAGE CONDITIONS OF COMPONENTS

- store in tightly closed containers or containers
- keep naked flames away
- do not expose to direct sunlight
- do not allow contact with skin
- avoid breathing vapours from heated material
- do not allow contact of the individual components with acids, strong oxidizing agents, bases
- no material risk of 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

SKIN

- remove contaminated clothing
- wash contaminated skin with water mild detergent
- do not use solvent
- create to bandage the wound with a sterile bandage
- consult your doctor if you keep complaints

INHALATION

- the fumes poisoning the victim to provide plenty of fresh air
- lay the victim at rest
- protect against heat loss, and loss of consciousness

EYES

- eye should be rinsed thoroughly with clean water
- the eyelid wash with plenty of water
- If the symptoms persist seek medical advice

DIGESTIVE

- drink plenty of water
- give activated carbon
- if the symptoms persist consult a physician.

PROTECTION

1. All workers should be trained in detail in the handling of methacrylate 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.