

Description

Solvent-free, self-levelling, two-component, hygienic, chemical resistant, polyurethane-based semi-flexible flooring system.

Advantages

- Solvent free,
- Property of self-spreading,
- High chemical and mechanical resistance,
- Long-lasting and robust,
- Hygienic and clean because it creates a jointless structure without joints,
- Bright and lively appearance,
- Easy to clean thanks to its smooth and smooth surface.

Application areas

Used in food industry, hygienic units, warehouses, fair and exhibition halls, textile industry and treatment facilities.

Substrate preparation

The application surface must be clean and free of paint, paint residues, pitch, curing material, dust and oil. It should be noted that there is no loose layer on the application surface, if any, it should be scraped, cleaned and the gaps formed during cleaning should be filled with the appropriate Hammerfast Epoxy Mortar repair mortar and necessary repairs should be made. Dust cleaning should be done by sweeping with industrial vacuum cleaners. The tensile strength of the concrete surface to be applied should be at least 1,5 N/mm² and the compressive strength should be at least 25 N/mm².

Application

One day before the application of Hammerfast Pur Self 770, the floors should be primed with approximately 0,4 kg/m² Hammerfast EP-110 primer as a single layer and 0,1-0,4 mm quartz sand should be sprinkled on the primer. Then the excess sand is cleaned and removed from the ground. After the primer application, the floor must be protected. In cases where the humidity of the application surface is above 4%, Hammerfast N-200 moisture barrier should be used in the priming process.

After the primer application processes, Hammerfast Pur Self 770 product A and B components are mixed to form a homogeneous mixture and applied to the floor with a trowel in the form of scraping, as an intermediate layer application, in order to ensure that the topcoat is evenly applied. Leveling material is required to level the surface and to give the self-leveling base coat a smooth surface. After the intermediate coat application, the floor must be protected until the final coat application.

In the final coating process; Hammerfast Pur Self 770 A component is mixed in itself for 2-3 minutes. Then, component B (hardener) is poured over component A and mixed for 2-3 more minutes until a homogeneous mixture is formed. Then, an appropriate amount (9 Kg/20 Kg set) of 0,1-0,4 mm quartz sand is added and mixed again, poured onto the surface and spread at the desired thickness with a notched trowel. 5 min. Then air bubbles are removed with a spiked roller. If the application will be made in several layers, sand should be sprinkled on the surface as soon as the first layer of coating is poured. To increase resistance to UV, Hammerfast should be protected with UVX with a consumption of 0,2 kg/m². Since the viscosity of the product will increase in cold weather, the amount of sand to be added can be reduced. In cold weather applications, the product should be subjected to thermal conditioning between 20-25 °C for at least 24 hours.

Consumption

Approximately 1,80-3,00 kg/m².

Safety Precautions

- Keep away from children.
- It should not be eaten or swallowed.
- Keep away from foodstuffs.
- Do not inhale directly, do not contact the body.
- May cause allergies.
- In case of contact with eyes, wash with plenty of water and seek medical advice.
- recommended to use gloves, goggles and protective clothing while working.

Technical specifications

Color and appearance (A comp.)	Optional ral colors liquid
Color and appearance (B comp.)	brown liquid
Contents	Solvent free, polyurethane based
Pot life	20 min.
Walkable time	12 hours
Consumption	1,80-3,00 kg/m ²
Intensity	1,54±0,1 g/lt
compressive strength	65 N/mm ²
Shore D hardness	76
Elongation at break	~ % 10
Adhesion strength	>1,5 N/mm ² (Breaking from concrete)
Full cure time	7 days

* These are the values found at 23±2 0C temperature and 50±5% relative humidity.

Points of attention

- During the application, the ambient and ground temperature should be between 10-25 °C.
- Applied on surfaces with 4% humidity, but it should not be applied at a higher humidity level.
- The cleaning of the floor is very important for the life of the application, so the application should not be done before the cleaning is done.
- Industrial vacuum cleaners should be preferred for floor cleaning.
- Application should not be made in places where there is not sufficient air circulation.
- During the application, the contact of the material with water should be prevented.
- Application should not be made outdoors, the application area should be protected from rain and frost.
- Care should be taken to use products with the same serial number in order to ensure homogeneity in color tone.

Storage and shelf life

12 months from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment, away from direct sunlight and temperature between +10 °C and +35 °C. Packages should be kept tightly closed when not in use. Packages should be protected against frost.

Packing

Component A-Resin : 16 kg tin bucket
Component B-Hardener : 4 kg tin bucket

Cleaning of tools

All used tools should be cleaned with an aromatic solvent immediately after work.

Quality certificates