

Description

Solvent-free, self-levelling, two-component, hygienic, high abrasion resistance, chemical resistant, polyurethane-based hard floor coating 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

Food industry, hygienic units, warehouses, fair and exhibition halls, textile industry and treatment facilities.

Application substrates

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 380, the floors should be primed with approximately 0.4 kg/m² Hammerfast EP-110 primer as a single layer and the primer should be blinded with 0.1-0.4 mm quartz sand. 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 380 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 380 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. Hammerfast Pur Self 380 (1:0.3 or 1:0.5) can be applied by mixing with 0,1-0,3 mm or 0,1-0,8 mm quartz sand.

Safety Precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Material Safety Data Sheet (MSDS) for further safety information.

Technical specifications

Color and appearance (A comp.)	Ral colors
Color and appearance (B comp.)	Vrown liquid
Contents	Solvent free, polyurethane based
pot life	~30 min.
Viscosity	A: 11.000-12.000 mPa.s B: 100 mPa.s
Density (A+B)	1,55±0,1 g/cm ³
compressive strength	65 N/mm ²
Adhesion strength	>1,5 N/mm ² (Breaking from concrete)
Shore D hardness	86
Elongation at break	~ % 30
Time to open to pedestrian traffic	6 hours
Full cure time	7 days

* At 20 °C and 65 % relative humidity, depending on the type of floor covering and the absorbency of the substrate.

Points of attention

- During the application, the ambient and ground temperature should be between 10-25 °C.
- It can be 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 : 15 kg tin bucket

Component B-Hardener : 5 kg tin bucket

Cleaning of tools

All tools used can be cleaned with cellulosic thinner immediately after the end of the work.