

Chelfix PU 5000

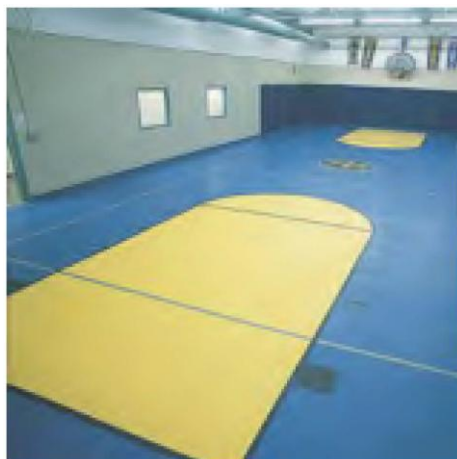
Self Levelling Polyurethane Coating

Product Description

Hygienic, two component polyurethane based floor covering material with solvent-free, self-levelling, high elastic and mechanical strength.

Areas of Application

- Factories, cold storage depot, warehouses, refrigerated vehicle bodies.
- On EPDM plate in shopping centers, workshops, air plane sheds, schools, indoor sports facilities, and hospitals, pharmaceutical industry, food sector, laboratories,
- Can be applied in parking areas and the areas with heavy forklift traffic.



Advantages

- Abrasion and friction resistant,
- Elastic structure
- Creates a jointless surface
- Easy to clean, hygienic, does not require long maintenance,
- Easy applicable,
- Solvent-free.

Consumption

- 1.4 kg for 1 mm thickness

Storage

Chelfix PU 5000 has a shelf life of 12 months from the date of production in its original packaging.

Technical Data

Technical Properties :	
General Information	
Chemical Structure	2K Polyurethane based
Density	1,50 ± 0,05 kg/lt (TS-EN ISO 2811-1)
Package	20 kg set
Consumption	1,4 kg for 1mm thickness
Shelf Life	12 months in unopened original package
Application Information	



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Shore A Hardness (7days/25°C)	70-75	(ASTM D 2240)
Pot Life	~ 30 min	
Application Thinner	Cannot be make thin	
Mixture Proportion	4 Unit Comp. A; 1 Unit Comp. B (by weight)	
Mixture Life	30-40 minutes for 200 gr	
Performance Information		
Pull-of Strength	5 N/mm ²	(TS 1967)
Abrasive Strength (taber)	150 mg	(TS 8130 EN ISO 54701)
Dust Drying	1 hour or 2 hours	(TS 4317)
Touch Drying	5-7 hours	(TS EN 4317)
Through Dry	7 days	
The Class of Reaction to Fire	Efl	
Technical information is approximate value obtained from the Chelfix Construction Chemicals Laboratory works and are valid for the performance of the finished product in 27 days, which are obtained at +20°C temperature and 50% relative humidity rate.		

Application Instructions

Surface Quality: Weak areas of the surfaces should be cleaned sandpaper, milling cutter and sand blasting. If the surface is too bright, it should be roughened by milling cutter or sand blasting and the specific surface should be cleaned. If there is oil on the surface, it should be burned.

Surface Preparation: Cleaned surfaces should be applied an undercoat with Chelfix EP 3000. Chelfix PU 5000 application is made at the latest 24 hours after the priming coat application. Chelfix PU 5000 should be applied with trowel to obtain a smooth surface. After then, gas bubbles are removed with a spikedroller.

Compound: After the component B is added to the component A, mix for 2-3 minutes with a lowspeed, electrical mixer (maximum 400 revolution per minute) until a homogenous color is obtained.

Application Note/Restrictions

- Make sure that Chelfix PU 5000 covers a continuous, non-porous surface. If necessary, apply Chelfix EP 3000 priming coat application twice. Chelfix PU 5000 is applied with notched trowel.
- In order to complete the hardening of the material, do not use it allowed minimum temperature.
- Low temperatures will slow down the hardening, while high temperatures will accelerate the hardening. The pot life will also vary depending on the temperature.



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- The product may irritate the skin. Protective glasses or gloves should be used. Protective hand cream should be used before starting work. If the soil mixture contacts with eyes, eyes should be washed immediately with warm water, and consult doctor.
- Crystallization can be shown in the product if it is kept below 0°C for a long time. If the crystals are broken by bringing the product back to room temperature, the product can be used without any problem. Discoloration and yellowing can be happened in the product which hardened depending on direct sunlight. After application, the product should be protected against direct sunlight, strong wind, high air temperature (above +35°C),
- Bad weather conditions such as rain and freeze. in order to complete the hardening and reaction shortly after the application, the areas that contacts with skin should be cleaned with water and detergent.
- Immediately after the application, equipment should be cleaned with Thinner .

Packing

Chelfix PU 5000 is available in 20 kg set
