

Chelfix PU 8800

High Performance, Impact and Chemical Resistance
Polyurethane Concrete Coating Material.

Product Description

Solvent Free, 3 components, floor coating material which is combination of special graded aggregates and high strength polyurethane resins.

Areas of Application

- In hospitals, shopping centers, schools, offices, showrooms, rest rooms and areas where rubber-wheeled vehicles are in use
- For levelling and smoothing new or existing concrete, marble, and ceramic substrates,
- Abrasion-resistant floors on concrete, old terrazzo, ceramic tiles and natural stones.
- Terrazzo, inside homes, offices, shops, museums, theatres and exhibition halls when used in combination with natural aggregates.



Advantages

- Does not shrink, shows high fluency.
- Resistant to oils and acids.
- It is not toxic.
- Waterproof.
- Resistant to freezing and thawing.
- Resistant to various chemicals.
- Due to its very low VOC value, it is harmless to the environment and human health.
- It is resistant to heavy load impacts with its high mechanical strength.
- Flexible and powerful.
- High resistance at low temperatures.
- Surface moisture tolerance is high.
- Suitable cleaning with hot Water.

Uses

Can be used as long life and durable flooring products on many different surfaces and special areas such as food, medicine, cold stores, sanitary packaging and storage areas

Consumption

- 2,0 kg/m² for 1 mm thickness

Storage

Chelfix PU 8800 has a shelf life of 12 months from the date of production in its original packaging.

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Technical Data

Technical Properties :	
General Information	
Chemical Structure, appearance	Component A, yellowish, liquid Component B, light yellow, liquid Component C, white, powder Mixture, Cream, Liquid
Package	30,50 kg set
Consumption	2,0 kg/m ² (1 mm thickness)
Shelf Life	12 months in unopened original package
Application Information	
Application Thickness	2-8mm
Pot Life	~ 30 min
Application Temperature	(+5°C) - (+30°C)
Density (kg/lt)	2,00 ± 0,20
Initial Drying Time	24 Hours
Full Cure Time	7 Days
Performance Information	
Compressive Strength	>45 N/mm ² (TS EN 12190)
Flextural Strength	>18 N/mm ² (TS EN 12190)
Bond Strength	> 3 N/mm ² (failure in concrete) (TS EN 4624)
Adhesion Strength (Steel)	> 3,00 N/mm ²
VOC (gr/lt)	0,015
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

The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. If in doubt, apply a test area first.

Chelfix PU 8800 is applied as a thin layer as primer before application. The coating should be applied within a maximum of 24 hours after stripping primer. Epoxy primer is not recommended

The components are produced according to right mixing ratio. Mix the resin (component A) and hardener (component B) thoroughly with a mechanical mixer with a 400 - 600 RPM mixer in a clean container at least 3 minutes to have a homogenous mixture. Then add the well graded aggregate (component C) slowly, mixing all the time. Mix the three components at least 4 minutes to have a homogenous mixture.



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Application Note/Restrictions

- Never thin by any solvent. Solvents will prevent proper curing and change mechanical properties.
- Chelfix PU 8800 has to be mixed with an appropriate mixing drill. Never mix with hand or trowel.
- Avoid application under temperatures below +5°C and over +30°C.
- Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind.
- Chelfix PU 8800 should be applied in 40 minutes (at 20°C). The workability and hardening times of polyurethane based products depend on temperature.
- After the application there should be no contact for 24 hours. Also water contact has to be avoided.
- Avoid splitting pre-batched units to mix. Mix complete units only.
- Component C must be kept dry.
- Cured material can only be removed mechanically.

Packing

Chelfix PU 8800 is available in 30,50 kg set

Cleaning:

Clean tools and application equipment with Thinner immediately after use. Hardened / cured material can only be mechanically removed.
