

KEMAPOXY 151 FL

High Chemical Resistance ,Self Leveling Flooring Epoxy.

Description:

- **KEMAPOXY 151 FL** is a two components,high performance,Self leveling flooring epoxy Coating provides seamless,hygienic surface that is extremely hard wearing and durable with zero VOC based on epoxy resin cured with suitable hardener .
- This high quality system proved to have an outstanding durability in many applications on floor coating.
- Chemical resistance Complies with API 5L2 Specification from EPRI (Egyptian Petroleum Research Institute).

Fields of Application:

- Flooring of factories exposed to chemicals and hard conditions ,warehouses ,production facilities , food and beverage plants ,utility rooms(boiler&furnace) ,shipping&receiving areas ,equipment rooms.
- N.B.** Epoxy paints are resistant to chemicals and friction but when exposed to ultraviolet radiation, some color changes occur only while retaining chemical and mechanical resistance.

Advantages:

- Self leveling flooring epoxy for a wide range of floors.
- High chemical a abrasion resistance.
- Zero VOC , Low odor.
- Film thickness can be varied to accommodate a wide range of flooring conditions.
- Withstand the operating temperature.

Technical Data :(at 25 °C)

Colour	Grey / other colors under request
Solid content	100 %
Density (kg/L)	1.77 ± 0.05 gm/cm ³
Mixing ratio A: B (by weight)	9 : 1
Pot life	45 min (decreases at higher temperatures)
Initial setting time	3.5 – 4 hours
Final setting time	24 hours
Full hardness	7 days
Application of second coat	18-24 hours
Min. application temperature	5°C
Thinner	Kemsolve 4 (3% if required)
Rate of use (theoretical)	0.885 kg/m ² (0.5 mm thickness)

Chemical Resistance (According to API 5L2) :

TEST	RESULT
Spray of Conc. Sulfuric Acid 98% on the Surface	Change in color only
Sulfuric Acid 30% for one week	Pass
Sulfuric Acid 10% for one week	Pass
Spray of Conc. NHO ₃ on the Surface	Pass
Hydrochloric Acid 10% for one week	Pass
Na OH 5% for one week	Pass
Gasoline for ne week	Pass
Solar for one week	Pass

Protective Coating Products

Epoxy Paints

Direction for Use :

- The surface should be firm dry and free of dust , oil , grease , and loose particles .
- Stir the base part A thoroughly ,Mix well the two components of KEMAPOXY 151 FL using a slow speed mixer (300 r.p.m. maximum) .
- Pour mixed material on the surface in a long puddle and spread using either a flat or a notched rubber squeegee, depending on film thickness requirements.
- Immediately back roll and cross roll the material with a quality nap roller .
- Finish application by laying off in one direction .

Safety Precautions:

- Application should be carried out in a well ventilated place.
- Gloves ,protective clothing and eye goggles should be worn during application.
- Skin contaminations should be immediately cleaned with soap and plenty of water. Don't use solvent.
- If the material is splashed into the eyes,they should be immediately washed with water and then report to an eye specialist.
- Don't eat or smoke during application.

Storage / Shelf life:

- 2 years under suitable storage conditions in a closed containers.

Packages:

- Kits (A + B) 1 Kg and 5 Kg .

** Follow the mixing ratios by weight as indicated on the package.



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