

Kemapoxy 151

High Mechanical and Chemical Resistance, Coloured Epoxy Coating For Walls and Floors.

Description:

- **KEMAPOXY 151** is a coloured high quality solvent free two components epoxy coating based on liquid epoxy resin, selected pigments, additives and a formulated amine hardener.
- Complies with ASTM C 881 , ES 3303.
- Approved from National Organization for potable water and sanitary drainage for sanitary projects.

Fields of Use:

- Coating for walls, screeds and flooring subjected to the actions of chemicals and severe conditions e.g. walls and flooring of chemical plants, workshops, distilleries, laundries, abattoirs, garages, nuclear power stations, stores, potable water tanks and hospital rooms.
- Coating for bridges and road structure, water and sewage plants.
- Coating of steel tanks, pipes, machines and all steel structures that are subjected to the actions of chemicals or severe conditions.
- Can be applied on wooden, cement and plastered surfaces.

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:

- Waterproof and resistant to salts, dilute acids, alkalis and a wide range of different chemicals and solvents.
- Adheres firmly to metallic and concrete surfaces.
- Easy to apply without special tools.
- Available in several attractive colours (upon request).
- Anti fungus and anti bacteria.
- Has no harmful effect.

Technical Data : (at 25 °C)

Colour	White / coloured
Solid content	100 %
Density	1.36 ±0.02 kg/l
Mixing ratio A : B (by weight)	3 : 1
Pot life	30 minutes (decreases at higher temperatures)
Initial setting time	8 hours
Final setting time	24 hours
Full hardness	7 days
Recoating time	18 - 24 hours
Min. application temperature	5°C
Thinner	Kemsolve 3 or Kemsolve 4
Rate of use (theoretical)	250 gm/m ² /coat (180 μ)

Chemical resistance : (Immersion time 7 days)

(For transparent, black, brickly red and grey colours)

Sulphuric acid	50%	g	Sodium hydroxide 50%	ex
Hydrochloric acid	25%	ex	Potassium hydroxide 50%	ex
Phosphoric acid	10%	g	Ammonium nitrate	ex
Nitric acid	20%	ex	Fuels Petrol	ex
Acetic acid	5%	ex	ex: excellent (no softening + no bubbles + no change in colour) g: good (no softening + no bubbles + slight change in colour and weight)	
	10%	g		

Protective Coating Products

Epoxy Paints

Directions for Use:

- The surface should be dry and cleaned from dust, oil, grease and loose particles.
- It is recommended to apply a primer coat of **KEMAPOXY 101** for wooden or concrete surfaces, and **KEMAPOXY 131** for steel surfaces, before coating with **KEMAPOXY 151**.
- Mix well the two components of **KEMAPOXY 151** using a slow speed mixer (300 r.p.m. maximum).
- Coating is applied using brush, roller or sprayer.
- Apply one or more coats of **KEMAPOXY151** according to the thickness required. At least 18 hours should elapse between successive coats.
- **KEMAPOXY151** gives smooth and polished surface.
- To obtain a skid - resistant surface, a layer of fine sand (0.2-0.7mm. diameter at a rate of 1 kg/m²) is sprinkled on the primed surface, or on the first coat while still wet. Then apply the final coat of **KEMAPOXY151** at a rate of 400 - 800 gm/m².
- Clean tools by **KEMSOLVE 1**.
- N.B. To avoid color deviation from one patch to another, only use the same patch number in the same area.

Safety Precautions:

- Application should be carried out in 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.
- Do not eat or smoke during application.

Storage:

- 2 years under suitable storage conditions in closed containers.

Packages:

- Kits (A+B) 1 kg and 4 kg.
- Follow the mixing ratios - by weight - indicated on the package.