

Kemapoxy 175

Solvent Free, Elastic Polyurethane-Epoxy System.

Description:

- **KEMAPOXY 175** is a multi - purpose solvent free two components system based on elastic polyurethane-epoxy resin and hardener, transparent or coloured.
- Complies with ANSI, AWWA C 210, ES 3349, ES 1070, ASTM C 836 and ES 1382.

Fields of Use:

- Elastic injection for structural and thermal cracks.
- For structural repair purposes in concrete and wood elements.
- Painting cooling rooms, refrigerators and surfaces that exposed to higher temperature changes.
- Flooring for courts and stadiums when mixed with rubber fillers.
- Painting for squash court walls.
- As a cold applied electrometric waterproofing membrane.

Advantages:

- High quality waterproofing membrane with excellent crack over bridging property.
- No harmful effect after drying.
- It can be mixed with selected filling material to get non shrink elastic mortar for courts.

Technical Data : (at 25 °C)

Colour	Transparent / coloured
Solid content	100 %
Density kg/l	1.07 ± 0.02 trans, 1.21 ± 0.02 coloured
Mixing ratio A: B by weight	4: 1 (trans) 3: 1 (coloured)
Pot life	45 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
Viscosity	50poise
Elongation at break	>140%
Permeability DIN 1048	Zero
Rate of use (theoretical)	Transparent 270 gm/m ² /coat (250μ) Colored 305 gm/m ² /coat (250μ)

Chemical resistance : (Immersion time 7 days)

(For transparent, black, bricky - red and grey colours)

Sulphuric acid	50%	g	(coloured) (trans.)	Sodium hydroxide 50%	ex	
	30%	ex		Potassium hydroxide 50%	ex	
Hydrochloric acid	10%	ex		Ammonium nitrate	ex	
	25%	g				
Phosphoric acid	50%	ex		Fuels	Petrol	ex
Nitric acid	20%	ex			Benzin	ex
Acetic acid	5 %	ex		ex: excellent (no softening + no bubbles +no change in colour)		
	10%	ex		g: good (no softening + no bubbles + slight change in colour and weight)		
	20%	g				

Protective Coating Products

Polyurethane Paints

Directions for Use:

- The substrate must be dry, clean, free of oil,... etc.
- The two components of **KEMAPOXY 175** must be mixed thoroughly and applied in one or more coats using brush, roller or sprayer.
- For injection into cracks, a special injection pump is needed.
- **KEMAPOXY 175** can be mixed with fine filling materials like quartz powder to obtain an elastic mortar for joint sealing and special repairing purposes and can be mixed with rubber filler for court flooring.
- 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.