

Kemapoxy 150 S

High resistant to chemicals, and mechanical Stresses paint and epoxy mortars.

Description:

- **KEMAPOXY 150 S** is a solvent - free 2 or 3 components epoxy paint and non-shrink mortar resisting chemicals and concentrated acids.
- Based on epoxy resin, aromatic polyamine hardner and special pigments.
- Complies with ASTM C 881 & ES 1382.

Fields of Use:

- It is used where outstanding chemical resistance and mechanical stresses are required specially in fertilizers factories.
- **KEMAPOXY 150 S** mortar is used to cover the industrial floors exposed to chemicals, alkalis, friction and abrasion.
- Filling the joints in floors and between tiles subjected to chemicals and mechanical stresses.
- Providing a resisting paint to chemicals and acids.

Advantages:

- High resistance to concentrated acids and alkalis.
- Adheres firmly to concrete and steel surfaces.
- High resistance to mechanical stresses.

Technical Data : (at 25 °C)

Colour	: black or bricky red or grey
Solid content	: 100 %
Density	: 1.36 ± 0.05 for (A+B) kg /l : 1.90 ± 0.05 for (A+B+C) kg /l
Mixing ratio (by weight)	
Paint A: B	: 3 : 1
Plastic mortar A: B: C	: 3 : 1 : (10)
Pot life	: 30 minutes (decreases with increasing temperature)
Initial setting time Final	: 7 hours
Final setting time	: 24 hours
Full hardness	: 7 days
Recoating time	: After 24 hours
Min. application temperature	: 10°C
Heat resistance	: 90°C (humidity) 140°C (dry)
Solvent	: kemsolve 3 (10 % max if required)
Rate of use (theoretical)	: For paints 250 gm /m ² / 185 µ thickness For mortars 2 kg / m ² / 1 mm thickness

Chemical resistance : (Immersion time 84 days)

Sulphuric acid	50%	ex	Ammonium nitrate 99.5%	ex
			Ammonia solution 20%	ex
			Ammonia gas 200 ppm	ex
Nitric acid	20%	ex	ex: excellent (no softening + no bubbles + no change in colour)	
Acetic acid	20%	g	g: good (no softening + no bubbles + slight change in colour and weight)	

Protective Coating Products

Epoxy Paints

Directions for Use:

1- Surface preparation

- The surface should be cleaned from dust, oil, grease and rust and any loose parts.
- If there is chemical or acids traces, the floors should be well washed with a soapy solution then water then surfaces are left to dry.
- Leave surface for 3 days to be sure for complete dry.

2- Paints

- Apply a primer coat of **KEMAPOXY 101** for concrete surface or **KEMAPOXY 131** or **131 ZR** for steel surface.
- **KEMAPOXY 150 S** can be applied by brush or roller or spray after complete mixing the two components A,B and use **Kemsolve 3** for thinning (in case of spraying).

3- Jointing mortar

- Joints between bricks or tiles should be clean, free from dust, oil, grease and joint breadth should be not less than 5 mm.
- The 2 components A, B should be well mixed then add the third component C according to mentioned ratios and stir till achieving thoroughly homogeneous consistency.
- Mortar can be applied in joints by means of trowel or jointing gun.
- Use a soap solution for smoothing the joints.

4- Chemicals resisting screeds

- A primer coat of **KEMAPOXY 150 S transparent** should be first applied.
- The 2 components A,B should be well mixed then add the third component C according to mentioned ratios and stir till achieving thoroughly homogeneous consistency then apply screed at thickness 3-6 mm as required.
- A top coat of **KEMAPOXY 150 S** (A+B only) could be applied if required.
- Do not use this floor before 7 days.

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 / shelf life:

- 2 years under suitable storage conditions in closed containers.

Packages:

- Paints 4kg groups (A+B).
- Plastic mortar 14kg groups (A+B+C).
- Follow the mixing ratios - by weight - indicated on the package.