

### 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
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
Initial setting time	7 hours
Final setting time	24 hours
Full hardness	7 days
Recoating time	After 24 hours
Min. application temperature	10°C
Heat resistance	90° (humidity) 140° (dry)
Rate of use ( theoretical)	For paints 250 - 350 gm/m <sup>2</sup> ( according to surface condition ) For mortars 2 kg / m <sup>2</sup> /1 mm thickness

#### Chemical resistance : ( Immersion time 84 days )

Sulphuric acid	50%	ex	Ammonium nitrate 99.5%	ex
Nitric acid	20%	ex	Ammonia solution 20%	ex
Acetic acid	20%	g	Ammonia gas 200 ppm	ex
<b>ex:</b> excellent ( no softening + no bubbles + no change in colour ) <b>g:</b> 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 ZnP** 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 4** 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** (A+B only) 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:

- 2 years under suitable storage conditions in closed containers.

### Packages:

- Paints 4kg groups ( A+B ).
- Plastic mortar groups ( A+B+C ) 7 kg and 14 kg.
- Follow the mixing ratios - by weight - indicated on the package.