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 \( (at \ 25\ ^\circ C) \)
- Colour: black or bricky red
- Solid content: 100%
- Density: \( 1.36 \pm 0.05 \) for \( (A+B) \) kg/l
  \( 1.90 \pm 0.05 \) 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/m² (according to surface condition)
  - For mortars: 2 kg/m²/1 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
  - 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.