**Kemapoxy 110**  
High Chemical Resistance Coal- Tar Epoxy Coating for Steel and Concrete.

**Description:**
- **KEMAPOXY 110** is a two components solvent containing epoxy modified with coal tar.
- **KEMAPOXY 110** complies with ES: 3303.
- Approved from National Organization for Potable Water and Sanitary Drainage for sanitary projects.

**Fields of Use:**
- **KEMAPOXY 110** : is applied when high resistance to chemicals and corrosion is required e.g., containers, pipes, under ground water and marine structures, machines, road and bridge construction, and sewage plants. It can be applied in one or more coats to achieve required thickness.

**Advantages:**
- Good resistance to the effect of chemicals and waste water.
- High bonding strength on various surfaces as concrete or steel.

**Technical Data:** (at 25 °C)
- **Colour**
  - Black or brown
- **Solid content (by weight)**
  - 64 ± 1 %
- **Density**
  - 1.17 ± 0.02 kg/l
- **Mixing ratio A : B by weight**
  - 4 : 1
- **Pot life**
  - 4 hours (decreases at higher temperatures)
- **Initial setting time**
  - 6 hours
- **Final setting time**
  - 18 hours
- **Full hardness**
  - 7 days
- **Recoating time**
  - 12 - 24 hours
- **Min. application temperature**
  - 5°C
- **Thinner**
  - KEMSOLVE 5 (10% when needed)
- **Rate of use (theoretical)**
  - 335 gm / m²/ coat 100 µ

**Chemical resistance:** (Immersion time 7 days)
- **Sulphuric acid**
  - 30% ex
  - 50% g
- **Hydrochloric acid**
  - 10% ex
  - 25% g
- **Phosphoric acid**
  - 5% ex
  - 20% g
- **Nitric acid**
  - 5% ex
  - 20% g
- **Acetic acid**
  - 5% g
- **Sodium hydroxide 50%**
- **Potassium hydroxide 50%**
- **Ammonium nitrate**
- **Fuels**
  - Petrol ex
  - Benzin ex
- **ex:** excellent (no softening + no bubbles + no change in colour)
- **g:** good (no softening + no bubbles + slight change in colour and weight)
Directions for Use:

- The surface should be dry, clean and free of dust, oil and other impurities.
- After thoroughly mixing the 2 components of **KEMAPOXY 110**, it can be applied by brush, rolling or spraying. 2 coats of **KEMAPOXY 110** are recommended.
- If **KEMAPOXY 110** is processed in closed rooms, they should be sufficiently ventilated.
- Clean tools by **KEMSOLVE 1**.

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 and in closed containers.

Packages:

- Kits (A+B) 1 kg, 4 kg and 16 kg.
- Follow the mixing ratios - by weight - indicated on the package.