Kemapoxy 111
High Chemical Resistance Coal- Tar Epoxy Coating For Steel and Concrete.

Description:
- KEMAPOXY 111 is a 2- components epoxy modified with coal tar, containing high solid content.
- KEMAPOXY 111 complies with, CMBI TECH, spec. NO.CMBI 5070, ES 3303.
- Approved from National Organization for Potable Water and Sanitary Drainage for sanitary projects.

Fields of Use:
- KEMAPOXY 111 is applied when high resistance to chemicals and corrosion is required e. g., containers, pipes, under ground water & marine structures, machines, roads, bridges constructions and sewage plants.

N.B. Epoxy paints are resistant to chemicals and friction but when exposed to ultraviolet radiation, some color changes occur only while retaining chemical and mechanical resistance.

Advantages:
- High resistance to the effect of chemicals and waste water.
- High bonding strength on various surfaces such as concrete or steel.
- Nearly solvent free.
- It can be applied in one or two coats.

Technical Data :

| Colour | Black or brown |
| Solid content (by weight) | 97 ± 1% |
| Density | 1.31 ± 0.02 kg/l |
| Mixing ratio A : B by weight | 3 : 1 |
| Pot life | 60 minutes ( decreases at higher temperatures) |
| Initial setting time | 14 hours |
| Final setting time | 24 hours |
| Full hardness | 7 days |
| Recoating time | 18 - 24 hours |
| Min. application temperature | 5°C |
| Thinner | KEMSOLVE 4, KEMSOLVE 3 (5% when needed) |
| Rate of use ( theoretical) | 170 gm / m² / coat (125 µ) |

Chemical resistance :

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

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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 111 it can be applied by painting, rolling or spraying.
  • Apply a primer of KEMAPOXY 110 or KEMAPOXY 103T.
  • If KEMAPOXY 111 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 and 4 kg.
  • Follow the mixing ratios - by weight - indicated on the package.