

Protective Coating Products

Tar Epoxy Paints

Kemapoxy 111 HB

High Build Coal- Tar Epoxy Coating for steel and Concrete.

Description:

- **KEMAPOXY111 HB** is a high build two components epoxy modified with coal tar, containing high solid content.
- Complies with ES 3303.

Fields of Use:

- **KEMAPOXY 111 HB** is applied when non sagging and high resistance to chemicals and corrosion is required e.g. Vertical & rounded surfaces which requires high D.F.T for containers, pipes, under ground water, marine structures, machines, road bridge construction and petroleum plants.
- It can be applied in one or two coats.

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.
- Can be applied in a thick layer without sagging.

Technical Data :(at 25 °C)

| | |
|------------------------------|--|
| Colour | Black or brown |
| Soild content (by weight) | 98 ± 1% |
| Density | 1.40 ± 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 | 24 hours |
| Min. application temperature | 5°C |
| Thinner | KEMSOLVE 4, KEMSOLVE 3 (5% when needed) |
| Rate of use (theoretical) | 220 g / m ² / coat (150 µ) |

Chemical resistance :(Immersion time 7 days)

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

Directions for Use:

- The surface should be dry and free of dust, oil and other impurities.
- After thoroughly mixing the two components of **KEMAPOXY 111 HB**. It can be applied by brush, rolling or spraying.
- If **KMAPOXY 111 HB** 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.