

### Kemapoxy 110 HB/2

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

#### Description:

- **KEMAPOXY 110 HB/2** is a two components high build, solvent containing epoxy modified with coal tar.
- **KEMAPOXY 110 HB/2** complies with ES: 3303.

#### Fields of Use:

- **KEMAPOXY 110 HB/2** : 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.
- Coat for underbody of cars & vehicles.

#### Advantages:

- High build therefore, it is suitable for painting vertical surfaces with high DFT.
- 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
Soild content (by weight)	78 ± 1 %
Density	1.48 ± 0.02 kg/l
Mixing ratio A : B by weight	3 : 1
Pot life	2 hours ( decreases at higher temperatures)
Initial setting time	2 hours
Final setting time	24 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)	250 gm / m <sup>2</sup> / coat 100 μ

#### Chemical resistance : ( Immersion time 7 days)

Sulphuric acid	30%	ex	Sodium hydroxide 50%	ex
	50%	g		ex
Hydrochloric acid	10%	ex	Potassium hydroxide 50%	ex
	25%	g	Ammonium nitrate 30%	ex
Phosphoric acid	5%	ex	Fuels	Petrol ex
	20%	g		Benzin ex
Nitric acid	5%	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	5%	g		

### 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 HB/2**, it can be applied by brush, rolling or spraying
- If **KEMAPOXY 110 HB/2** 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 / Shelf life:

- 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.