

### 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 : (at 25 °C)

Colour	Black or brown
Soild 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 / m <sup>2</sup> / coat (125 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
				Benzin
Phosphoric acid	10%	ex		
	50%	g	ex: excellent ( no softening + no bubbles+ no change in colour)	
Nitric acid	10%	ex		
	20%	g	g: good ( no softening + no bubbles+ slight change in colour and weight )	
Acetic acid	10%	ex		
	20%	g		

# Protective Coating Products

## Tar Epoxy Paints

### 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.