Kemflex 140

Polyurethane - Tar Joint Sealing Compound, Cold Applied, Fuel Resistant, Permanently Elastic, For Horizontal Joints

Description:

- **KEMFLEX 140** is a solvent free 2-component joint sealant based on a modified elastic tar pitch polyurethane material.
- Complies with ASTM C 920 .
- Approved from National Organization for sanitary drainage projects.

Fields of Use:

- Suitable for use in hot weather.
- Suitable for joints which are subjected to load - bearing condition involving wear compaction.
- Sealing of horizontal joints in concrete roads, runways, refinery and other industrial floors,…. etc
- Grouting of pipe sleeves.

Advantages:

- Is highly resistant to water, sea water, fuel, exhaust gases, mineral and vegetable oils and fats. as well as alkalis, acids and other chemicals.
- Is permanently elastic and suitable for sealing horizontal joints which are subjected to continuous expansion and contraction, in concrete and steel structures.
- Colour fastness according specification test ES 819.

Technical Data :(at 25 ºC)

Colour	black
Consistency	Gun grade (Kemflex 140 pouring is available)
Solid content	100 %
Density (A+B)	1.60 ± 0.04 kg/l
Mixing ratio A: B (by weight)	7: 1
Pot life	90 minutes. (decreases at higher temp.) 24
Initial setting time	hours
Full hardness	7 days
Hardness (shore A)	25 - 30
Elongation at break	>700%
thinner	KEMSOLVE 44 (<10 %)
	According to the required consistency
Rate of use	0.65 kg / m section 2x2 cm

Chemical Resistance :

Sulphuric acid	50%	ex
Sodium Hydroxide	50%	ex
Sodium chloride	50%	ex
Sodium sulphide	50%	ex
Drainage water		ex
Organic solvent		g
Kerosene		g
Engine fuel		g

ex: excellent (no softening + no bubbles no change in colour)

g: good (no softening + no bubbles slight change in colour and weight)

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Directions for Use:

- The sides of the joints must be sound, dry and free of oils, grease, dust ….etc.
- Laying **BACKER FOAM** inside the joint to control the depth of the sealant materials, the depth of joint should not be more than its width.
- The edges of the joints can be covered with masking tape or similar material to avoid soiling.
- It is recommended to prime the sides of the joints with **PRIMER KEMFLEX** or **KEMAPOXY 103T,** the quantity of primer needed is about 2 % of the joint sealing material.
- The two components should be mixed carefully until a homogenous mix is obtained. If the base compound is not well mixed with the hardener, uniform curing cannot be expected.
- Mixing is done with stirring rod or drill with a stirring paddle fitted.
- KEMFLEX 140 is applied by pouring, during the pot life of the mix.
- 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, these should be immediately washed with water and then report to an eye specialist.
- Do not eat or smoke during application.

Storage / Shelf life:

- 12 months (in closed containers) under suitable storage conditions.

Packages:

- Kits (A+B) 5 kg.
- Follow the mixing ratios -by weight- indicated on the package.

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