

Epoxy

KELMAR
Coal Tar Epoxy**General Properties:**

- **KELMAR** is two components coal tar epoxy formulated to give a high elasticity.
- Good durability against abrasion and high resistant to sewage water.
- Does not need a primer because of its good adhesion

Uses:

- Anti rust coat for iron works, cast iron, steel, concrete pipes and sewage structures for both int. and ext. surfaces.
- Water proofing and wearing coat for floors of garages, ramps, loading decks, industrial floors and bridge decks.
- Isolating outside structure under earth to protect concrete from carbonation.

Application:

1. Clean the substrate & remove grease oil, or any foreign materials.
2. Remove any weak or separated layers in the substrate.
3. Wear gloves & eye goggles before working & be sure of good ventilation.
4. Prepare the needed parts of the surface with epoxy paste **EPASTE** if required.
5. Add **KELMAR** resin to hardener in a suitable container and mix well.
6. Using a brush or woolen roller, paint the substrate with **KELMAR** within a period that should not exceed 120 minutes after mixing.
7. Clean tools using solvent ex.: Thinner.
8. The second coat can be applied on the following day, if required.

Note: **KELMAR** can be applied as quartzite system for anti slipping purposes especially on Garage ramps.

Technical Data:

Initial Curing Time	: After 24 hours of mixing.
Final Curing Time	: After 7 days at ambient temperature.
Pot Life	: 60 min. at 24°C.
Bond Strength	: 3 N/mm ² to mild steel.
Bond To Concrete	: Passed GT0.
Density	: 1.5 kg/liter.
Impact Resistance	: 80 cm.
Abrasion Resistance	: 0.001 gm / 100 cycle.
Elasticity (0.9 mm)	: Passed.
Color	: Black.
Consumption	: 1 kg covers 4-5 m ² one coat.
Shelf Life	: 18 months in closed container and away from sunlight, heat and humidity.

Chemical Resistance:

TOLUENE	excellent	TALL OIL FATTY ACID	excellent
15 % ETHANOL	Very good	3% ACETIC ACID	Very good
DEIONISED WATER	excellent	10% NITRIC ACID	Very good
POTABLE WATER	excellent	10% PHOSPHORIC ACID	Good
SEA WATER	excellent	10% HYDROCHLORIC ACID	Very good
CRUDE OIL	excellent	0.5 % SULPHURIC ACID	Very good
OIL / WATER	excellent	10% SULPHURIC ACID	good
VEGETABLE OIL	excellent		

Environment: - Boots, rubber gloves, dust masks, and safety goggles. REF TO (MSDS).

For more information please contact our technical department

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