

Epoxy

# KELMAR 701

## Water Based Coal Tar Epoxy



### General Properties:

- **KELMAR 701** is two component water based epoxy modified with emulsified tar.
- Formulated to give a high elasticity and minimum environmental pollution.
- No need to apply primer coat and can be applied on wet, saturated surfaces.
- Has good durability against abrasion, and can resist different kinds of chemicals.

### Uses:

- Water and damp proofing layer for dry and wet concrete and steel..
- As a final coat membrane for sewage water structures & external proofing for water structures.
- Wearing surface to: garages & ramps, decks, industrial floors and bridges.

### Application:

1. Clean the substrate & remove grease, oils or any foreign materials.
2. Remove any weak or separated layers in the substrate.
3. Wear gloves & eye goggles before working with epoxy & be sure of good ventilation.
4. Prepare the surface using repairing mortar (**CRETEREP**)
5. Add **KELMAR 701** resin to hardener in a suitable container and mix well.
6. The first coat can be diluted till (20%) with water.
7. Using a brush or woolen roller, paint the substrate with **KELMAR 701** within a period that should not exceed 120 minutes after mixing.
8. The second coat can be applied on the second day, the second coat can be diluted till (15%) with water.
9. Clean tools using water and soap directly after application.

**Note:** **KELMER 701** can be applied as quartzite system for anti-slipping areas.

**DO NOT** add water to resin or hardener before mixing only add water after good mixing.

### Technical Data:

<b>Initial Curing Time</b>	: After 24 hours of mixing.
<b>Final Curing Time</b>	: After 7 days at ambient temperature.
<b>Pot Life</b>	: 120 min. at 24°C.
<b>Bond Strength</b>	: 5 N/mm <sup>2</sup> to mild steel.
<b>Bond To Concrete</b>	: Passed GT0.
<b>Blistering</b>	: None.
<b>Impact Resistance</b>	: 80 cm.
<b>Abrasion Resistance</b>	: 0.001 gm / 100 cycle.
<b>Elasticity ( 0.9 mm)</b>	: Passed.
<b>Color</b>	: Black.
<b>Consumption</b>	: 1 kg covers 4-5 m <sup>2</sup> one coat.
<b>Chemical Resistance</b>	: Excellent resistance against water, alkalis, saturated solution of sugar (one month) mineral acids, detergents, hydrocarbons, moderate against mentholated spirits, poor against organic acids, ketenes & glycol ethers.
<b>Packaging</b>	: 1 kg, 5 kg (resin + hardener).
<b>Shelf Life</b>	: 18 months in closed container and away from sunlight, heat and humidity.

- Environment:**
- Boots, rubber gloves, dust masks, and safety goggles.
  - Refer to MATERIAL SAFETY DATA SHEETS (MSDS)

END OF TECHNICAL DATA

### For more information please contact our technical department

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