



## COMPONENT DATA SHEET

**Kelmar®**  
waterproofing systems

# KELMAR® T.E.

## Coal Tar Epoxy

### Description

KELMAR® T.E. Epoxy is a two-component, coal tar based epoxy coating that provides a durable, chemical resistant surface. As part of the total KELMAR® T.E. System, the KELMAR® T.E. Epoxy/Sand Matrix provides solutions for the varied wear requirements within concrete structures, in areas subjected to vehicular or pedestrian traffic.

### Typical Uses

- Parking garages
- Areas requiring abrasion resistance combined with waterproofing needs
- Loading docks

### Features

- Can be used as a tough skid-resistant coating
- High abrasion resistance
- Resistant to automotive fluids and salts
- Extremely durable and seamless
- Stain resistant
- Variable thickness
- Easily recoated

### Limitations

- Certain surfaces MUST be primed with KELMAR® MONOBOND prior to application
- Substrate and air temperature MUST be a minimum of 10°C (50°F) and a maximum of 32°C (90°F) during the entire application cycle
- Underlying surface MUST be dry and free of all substances detrimental to bonding

### Theoretical Coverage

- 89 sq. ft. per gallon at 18 wet mils
- 70 sq. ft. per gallon at 23 wet mils
- Coverage will vary depending on aggregate size
- Mix ratio – 1 Part Resin : 1 Part Hardener

### Physical Properties

- **Solids:** 95% approx.
- **Pot Life:** 20 Minutes @ 22°C (72°F)
- **Weight per Gallon:** 9.5 lb/gal @ 22°C (72°F)
- **Specific Gravity:** 1.14
- **Compressive Strength (ASTM C579):** 8000 psi (55.16Mpa)
- **Tensile Strength (ASTM C307):** 1600 psi (11Mpa)
- **Elongation at Break (ASTM D638):** 40%
- **Adhesion to Concrete (ASTM C321):** 583 psi (4.02Mpa)
- **Fade testing (ASTM G25):** No color change
- **Water Absorption (ASTM D570 Proc.A Cond.A):** 0.29% max. by mass
- **Sodium Chloride Solution (ASTM D570):** 0.13% max. by mass
- **Hardness (Durometer Shore D):** 69 min
- **Abrasion Resistance (ASTM C501):** 0.069g/1000cycles
- **Flexural Strength (ASTM C580):** 1500 psi (10.34Mpa)
- **Impact Strength (ASTM D2794):** 32 ft/lb (0.37m/kg)
- **Test for Surface Characteristics (ASTM E84):** Class 1 or A

### Safety Precautions

Please refer to product Safety Data Sheet

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