



COMPONENT DATA SHEET

Kelmar®
waterproofing systems

KELMAR® LME

Hairline Crack Healer/Sealer

Description

KELMAR® LME is a two-component, extremely low viscosity, epoxy resin system designed to penetrate cracks by gravity and bond the concrete surfaces. KELMAR® LME Healer/Sealer will penetrate fissures as narrow as 0.002 inches wide.

Typical Uses

- Parking decks
- Commercial floors
- Any concrete delamination repair
- Concrete structural slabs
- Bridge decks
- Airport runways
- Highway pavements

Features

- Low viscosity eliminates need for injection equipment
- Forms a chemical bond to concrete
- Long pot life and cure time allows working time for complete penetration of cracks

Limitations

- Concrete substrate must be clean, sound, dry and free from all contaminants detrimental to bond
- Surface and air temperatures MUST be at least 10°C (50°F) during installation and initial cure
- Concrete floors should have laitance removed via shot blast, mechanical sanding or etching
- DO NOT thin with solvents
- DO NOT apply on wet surfaces
- Store material in a dry area 10°C to 27°C (50°F – 80°F)

Application

- Mix ratio- 2 Parts Resin: 1 Part Hardener
- Mix thoroughly using mechanical paddle mixer
- Pour ALL mixed material immediately onto dry substrate
- Distribute with squeegee or roller, working material into crack for 5 to 10 minutes
- May be re-coated once surface is tack-free, within up to 24 hours of initial coat
- Clean all tools and spills with solvent before cure occurs

Theoretical Coverage

- Varies based on depth and width of cracks in repair area

Physical Properties

- **Gel time:** 40 minutes (150 g)
- **Viscosity (mixed):** 40-60 cps
- **Thin-film set time:** 8-12 hours
- **Cure time:** 18-24 hours
- **Tensile Strength:** 6000-9000 psi

Safety Precautions

Please refer to product Safety Data Sheet