



Product Information Sheet

ESI Crack Filler

DESCRIPTION

ESI Crack Filler is a 2-part, rapid curing, high solids, and flexible epoxy. The components of ESI Crack Filler are mixed in a 1:1 ratio.

USE

- Filling cracks and non-moving construction joints

FEATURES

- Remains flexible over wide range of temperatures
- Resistant to most chemicals
- No primers required

LIMITATIONS

- Substrate must be between 50°F and 90°F (10°C and 32°C)
- Surface area of crack must be clean and dry
- Store material in a cool, dry area 10°C to 32°C (50°F to 90°F) away from direct sunlight, flame or other hazards

PHYSICAL PROPERTIES

Tensile Strength (ASTM D638)	2000 psi (6.14 Mpa)
Tensile Elongation (ASTM D638)	50%
Impact Resistance Gardner Direct	160 in/lb
Gardner Reverse	80 in/lb
Bond Strength to PCC (AASHTOT 237)	<3 Mpa
Hardness, Shore D (ASTM D2240)	65-70
Taber Abrasion (ASTM D4060, CS-17 wheels) (ASTM E840)	0.5g loss, @room temp. 0.3g loss, @150°C (66°F)
Gel Time	15-20 minutes

CHEMICAL RESISTANCE

Testing in accordance with ASTM-D-1308 spot test procedure indicates that ESI Crack Filler is unaffected by the following reagents:

Automotive Fluids:

Grease	Gasoline
Motor Oil	Heptane
Transmission Oil	Hexane
Anti-Freeze	

Solvents

Acetone	Trichloroethylene
Methyl Ethyl Ketone	Cellosolve Solvent
Denatured Alcohol	Toluene
Butyl Alcohol	Xylene
Butyl Acetate	Mineral Spirits
Carbon Tetrachloride	

Organic Acids

Acetic 10%	Gluconic 40%
Citric 20%	Tartaric 40%
Lactic 40%	

Inorganic Acids

Chromic 20%	Hydrofluoric 20%
Hydrochloric 30%	Phosphoric 50%
Nitric 40%	

Inorganic Salts

Calcium Chloride 20%	Sodium Phosphate 20%
Ammonium Chloride 20%	Sodium Sulfate 20%
Sodium Chloride 20%	Magnesium Sulfate 20%
Sodium Carbonate 20%	

SAFETY PRECAUTIONS

Please refer to product Safety Data Sheet.