



TBS COMPONENT DATA SHEET

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Kelmar RC

Resurfacing Compound

Description

Kelmar® RC is a 100% solids modified epoxy polymer that is frequently used as a resurfacing compound. Since it was originally developed as a concrete adhesive, it has many other uses and requires no primer. Kelmar® RC is odor free, making it suitable for both indoor and outdoor use.

Features

- 100% solids modified epoxy polymer, no V.O.C.
- Durable
- Flexible
- A-1 Fire Rating ASTM E84
- High compressive and tensile strength

Typical Uses

- As a resurfacing compound
- For rehabilitation of scaling, spalled and deteriorated concrete
- Heavy traffic areas like driveways, walkways, etc

- Structural repair of concrete structures

Precautions

- Substrate should be free of dirt, waxes, grease, oil and other foreign materials
- Concrete floors should have laitance removed via shot blasting, mechanical sanding or etching
- New concrete surfaces should be cured a minimum 28 days before coating or delamination may occur

Theoretical Coverage

- 50 – 90 sq. ft. per gallon at 18 – 32 mils

Physical Data

Property	Standard	Results
Tensile Strength	ASTM D 412	2000 psi
Tensile Elongation without aggregate	ASTM D 412	70%
Adhesion to prepared concrete	ASTM D 4541	17 Pli
Adhesion to membrane	ASTM D 4541	20 – 30 psi
Water vapor transmission	ASTM D 1653	0.35 Perms
Test for surface burning	ASTM E-84	F.S. 14 F.C. 0
Chloride ion	W.J.E. 84005	No increase @ 1" depth

Chemical Resistance

Testing in accordance with ASTM-D-1308 spot test procedure indicates that Kelmar® RC is unaffected by the following reagents.

Automotive Fluids
Grease
Motor Oil
Transmission Oil
Anti-Freeze
Gasoline
Heptane
Hexane

Solvents
Acetone
Methalethol Ketone
Alcohol (Denatured)
Butyl Alcohol
Butyl Acetate
Carbon Tetrachloride
Trichloroethylene
Cellosolve Solvent
Toluene
Xylene
Mineral Spirits
Organic Acids
Acetic 10%
Citric 20%

Lactic 40%
Gluconic 40%
Tartaric 40%

Inorganic Acids
Chromic 20%
Hydrochloric 30%
Nitric 40%
Hydroflouric Acid 20%
Phosphoric Acid 50%

Miscellaneous Chemicals
Formaldehyde 20%
Hydrogen Peroxide 10%
Javex
Window Cleaner
Vegetable Oil

Alkalis
Ammonium Hydroxide (Conc)
Potassium Hydroxide 30%
Sodium Hydroxide 30%
Sodium Silicate 20%
Lime Water – Saturated Calcium - Hydroxide Solution

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

Safety Precautions

Please refer to product MSDS sheet