

KEMKO® GROUT II

FLEXIBLE HYDROPHOBIC POLYURETHANE FOAM

TECHNICAL DATA SHEET

FOR PROFESSIONAL CONTRACTOR USE ONLY

Kemko® Grout II is a two-component, moisture-cured polymer that reacts with water to form a tough, flexible, closed cell hydrophobic polyurethane foam. It is designed to fill large voids and cracks in stone or concrete.

FEATURES

- Forms A Flexible Gasket or Plug
- Prevents Water Infiltration

PACKAGING & COLORS

- Standard package sizes of 5 1/2-gallon kit: one 5 gallon (18.9 liters) pail of Side-A and one 1/2 gallon (0.95 liters) can of Side-B Catalyst.
- Standard color is pale yellow.

LIMITATIONS

Kemko® Grout II Catalyst is considered Dangerous Goods. DOT regulations classify it as: Corrosive Liquid, N.O.S. (Contains Amine), Class 8, UN 1760, PG III.

Warning: This product contains Isocyanates.

SHELF LIFE

One year minimum in unopened, original containers when stored between 60 and 95°F (15-35°C) in a dry place away from sunlight.

SURFACE PREPARATION

Substrate surfaces must be dry, sound, and free of all bond-inhibiting substances. Prepare surfaces according to ASTM D 4259 or ACI 503R and ChemCo Systems' specific recommendations. Cleaned concrete surfaces should have a minimum strength of 250 psi (1.38 MPa) in direct tension. Cleaned asphalt surfaces should have a minimum strength of 100 psi (0.68 MPa) at 73°F ± 4°F (23°C ± 1°C) in direct tension. Steel surfaces should be cleaned to "white metal" according to SSPC SP 5.

TECHNICAL DATA

PHYSICAL PROPERTIES	TEST METHOD	VALUE
Mix Ratio, A:B		10:1 by volume
Color		Part-A: Pale Yellow Part-B: Clear
Density	ASTM D1638	Part-A 9.04 lbs Part-B: 8.39 lbs
Viscosity	ASTM D1638	Part-A: 500 ± 150 cp Part-B: 50 ± 20 cp
Flash Point	ASTM D93	Part-A: 200°F (93°C) Part-B: 200°F (93°C)
Solubility in Water		not soluble
Expansion		800-1000%
Induction Time (approximately)		30-40 seconds
Gel Time (approximately)		2-3 minutes
Corrosiveness		Non Corrosive

INSTALLING

For filling control joints, wire slots, and saw cuts, transfer mixed material to a pour can with a spout sized for the joint to be filled. Fill the joint in a single direction. For a filled surface flush with the surrounding substrate, overfill slightly the joint until a crown of material is formed.

For narrow or deep joints, filling in two steps with the bulk of the material placed in the first step allows trapped air and settlement to occur for a more uniform installation. Following the initial cure, excess material (high spots) may be removed by warming with a hot air stream (heat gun) and cutting with a sharp blade.

CLEAN UP

Excess mixed product is best removed from the work area and tools before it hardens. The use of rags and solvents such as acetone or heavy-duty detergents facilitates cleaning. Cured product may be removed from tools by soaking in an epoxy stripper.



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