

Crack Sealing Paste- K-068

Description:

Copps' K-068 Crack Sealing Paste is a special formula developed for concrete repair by crack injection. It has a consistency of a soft thixotropic gel which is designed for sealing cracks and setting injection ports in any position. K-068 is 100% solids, VOC free and Butyl Glycidyl Ether (BGE)* free.

ASTM C 881 or AASHTO M-235 compliancy: Types I, IV, Grade 3, Class C.

Product Advantages:

- SOFT GEL CONSISTENCY
- EXCELLENT ADHESION
- ASTM C 881 COMPLIANT
- B.G.E. FREE

Application Guidelines:

K-068 Crack Sealing Paste has a very friendly mixing ratio (1/1 by volume) which allows it to be applied manually or using a dual cartridge.

Handling Properties:

COMPONENTS	Resin (White), Hardener (Black)
WEIGHT PER GALLON (MIXED), lbs	9.3
DENSITY (MIXED) g/cm ³	1.11
MIX RATIO, pbv (pbw)	1/1 (100/81)
COLOR	Light Gray
MIXED CONSISTENCY	Soft Gel
WORKING TIME, min	20
GEL TIME, min	23
APPLICATION TEMPERATURE, °F (°C)	
Ideal	70-80 (21-27)
Acceptable	55-90 (13-32)

Physical Properties:

HARDNESS, Shore D	85	ASTM D 2240
ADHESION to concrete, psi (MPa)	> 800 (5.5)	(100% failure in concrete)
TENSILE STRENGTH, psi (MPa)	7,000 (48.3)	ASTM D 638
ELONGATION @ BREAK, %	3.1	ASTM D 638
FLEXURAL STRENGTH, psi (MPa)	13,000 (89.7)	ASTM D 790
COMPRESSIVE STRENGTH, psi (MPa)	10,500 (72.4)	ASTM D 695
COMPRESSIVE MODULUS, psi (MPa)	271,000 (1,869)	ASTM D 695

*Butyl Glycidyl Ether. The EPA (SARA Title III, section 312) lists BGE as "Toxic" (per ANSI Z129.1) by skin absorption and an immediate health hazard.

**Surface
Preparation:**

To achieve excellent adhesion, the substrate should be free of all loose and foreign material and should be clean. Oils, grease, waxes or other contaminants must be removed prior to application. Be sure the crack is open where ports are placed.

Mixing:

Mix one part A (resin) to 1 part B (hardener) for 3 minutes using a Jiffy Mixer and a slow speed drill. Mix at slow speed (less than 500 rpm) to avoid air entrainment. DO NOT mix more material than can be used within the stated working time. REMEMBER – you will have less working time at higher temperatures.

Crack Sealing Paste, before it is fully cured (hard), may be removed from tools with Copps Enviro Kleen solvent or warm soapy water.

SAFETY PRECAUTIONS

Avoid breathing of vapors. Forced local exhaust is recommended to effectively minimize exposure. NIOSH approved, organic vapor respirators and forced exhaust are recommended in confined areas, or when conditions (such as heated polymer, sanding) may cause high vapor concentrations. Do not weld on, burn or torch Crack Sealing Paste or any epoxy material. Hazardous vapor is released when an epoxy is burned. Wash skin with soap and water if contact occurs. If eye contact occurs flush with water for 15 minutes and obtain medical attention. Read and understand all cautions on can labels and safety data sheets before using this material.

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