

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.

FOR INDUSTRIAL USE ONLY

WARRANTY AND DISCLAIMER

Copps Industries, Inc. gives no warranty, express or implied, and all products are sold upon condition that purchasers will make their own tests to determine the quality and suitability of the product. Copps Industries, Inc. shall be in no way responsible for the proper use and service of the product. The information given in this publication is considered to be accurate and reliable and is provided as a service only. Physical properties shown are typical. Actual properties are dependent on curing conditions and degree of cure. Any information or suggestions given are without warranty of any kind and purchasers are solely responsible for any loss arising from the use of such information or suggestions. No information or suggestions given by us shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.