

| Description:               | Copps' K-072 Crack Injection Epoxy is a uniq<br>crack injection, gravity feed or patching. It ca<br>other mineral filler to patch or resurface dama<br>masonry, wood, and other rigid construction<br>Glycidyl Ether (BGE)* free.<br>K-072 meets or exceeds requirements of ASTM<br>Class C). | n be used a<br>aged concret<br>n materials. | s a liquid bi<br>te slabs. This<br>K-072 is 10 | nder for sand, aggregate or any<br>s material may be used to repair<br>00% solids, VOC free and Butyl |
|----------------------------|---|---|--|---|
| Product                    | USER FRIENDLY MIX RATIO   |   |  |   |
| Advantages:                | B.G.E. FREE   |   |  |   |
|                            | HIGH COMPRESSIVE STRENGTH   |   |  |   |
|                            | LOW VISCOSITY   |   |  |   |
|                            | <ul> <li>EXCELLENT ADHESION</li> <li>ASTM C 881 (AASHTO M-235) COMPLI</li> </ul>  |   |  |   |
|                            | ASTM C 881 (AASHTO M-235) COMPLI  | ANT   |  |   |
| Application<br>Guidelines: | K-072 Crack Injection Epoxy has a user friendly<br>by dual cartridges or automatic injection equip<br>Paste (K-093) for manual or automatic injection   | oment. Cap S                                |  |   |
| Handling                   | COMPONENTS  | Resin, H                                    | ardener  |   |
| Properties:                | WEIGHT PER GALLON (MIXED)   | 9.1   | aruener  |   |
|                            | DENSITY (MIXED) kg/l  | 1.09  |  |   |
|                            | MIX RATIO, pbv (pbw)  | 2/1   | (2.4/1)  |   |
|                            | COLOR   | Clear                                       |  |   |
|                            | MIXED VISCOSITY, cP or mPa.s<br>WORKING TIME, min   | 1,500<br>30                                 |  | ASTM D 2196   |
|                            | GEL TIME, min   | 30<br>45                                    |  |   |
|                            | APPLICATION TEMPERATURE, °F (°C)  |   |  |   |
|                            | Ideal   | 70-80                                       | (21-27)  |   |
|                            | Acceptable  | 55-90                                       | (13-32)  |   |
|                            |   |   |  |   |
| Physical                   | HARDNESS, Shore D   | 80  |  | ASTM D 2240   |
| Properties:                | ADHESION to concrete, psi (MPa)   | > 800                                       | (5.5)  | (100% failure in concrete)  |
|                            | COMPRESSIVE STRENGTH, psi (MPa)   | 17,000                                      | (117.2)  | ASTM D 695  |
|                            | TENSILE STRENGTH, psi (MPa)<br>ELONGATION @ BREAK, %  | 8,000<br>2.0                                | (55.2)   | ASTM D 638<br>ASTM D 638  |
|                            | WATER ABSORPTION, %   | 0.11  |  | ASTM D 658  |
|                            |   |   |  |   |

\*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 contaminates <u>must</u> be removed prior to application. Be sure the crack is open where ports are placed. Set ports with Copps' Non-Corrosive Crack Sealing Paste K-093 or GP Adhesive K-008.

Mixing:

Mix 2 parts 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.

K-072 Crack Injection Epoxy and Sealing Paste, before they are 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 K-072 Crack Injection Epoxy 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.

## WARRANTY AND DISCLAIMER

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