



## 2K CRACK REPAIR

### FAST SETTING CONCRETE CRACK & SPALL FILLER TECHNICAL DATA & APPLICATION INSTRUCTION

#### PRODUCT DESCRIPTION

**2K Crack Repair** is a very fast setting, high-strength ultra low viscosity concrete repair material. This two-part hybrid urethane system is designed for rapidly rebuilding deeply spalled or damaged concrete rapidly, even in cold conditions, **2K Crack Repair** can accept heavy loads in 10-15 minutes.

#### BENEFITS/FEATURES

- Minimal down-time for quick turnaround time
- Ultra low viscosity formula allows for easy application
- VOC compliant for most of the United States & Canada
- Works well even in cooler temperatures
- Excellent for use under seamless floor applications

#### RECOMMENDED APPLICATIONS

- Garages
- Warehouses
- Auto Service Centers
- Laboratories
- Cafeterias
- Many other concrete floors where cracks, spalls & other damages are present

#### TECHNICAL INFORMATION

|  |  |
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| Hardness (ASTM D2240) Shore D.....70               | Mix Ratio (a/b volume).....1A to 1B                  |
| Tear Strength, pli ASTM 624-C.....560              | Coverage: .....Varies                                |
| Tensile Strength (ASTM D412).....4500 (filled)     | Pot Life (@ 50°F R.H.) .....2 minutes                |
| Elongation (ASTM D124).....3.3%                    | Dry Time - Tack Free (ASTM D2471) .....4 - 5 minutes |
| Solids/Active Content (% by weight).....60% +/- 1% | Dry Time - Traffic.....10 - 15 minutes               |
| VOC .....< 420 grams/liter                         | Application Temperature.....50°F - 80°F              |

#### SPECIFICATIONS / COMPLIANCES

Meets or exceeds ASTM D2240, ASTM 624-C, ASTM D412, ASTM D124. Meets OTC, CARB & LADCO VOC restrictions.

#### COVERAGE RATES

Coverage Rates will vary depending upon damaged areas' width & depth, surface porosity, texture, application method and prior sealer application. Excessive build up should be avoided.

#### PRODUCT STORAGE

Store product at room temperature. Allow product to rise to 50°F prior to application. Long term storage should be between 60°F and 90°F.

#### SHELF LIFE & PACKAGING

**2K Crack Repair** has a shelf life up to one year (12 months) from manufacture date in it's original, sealed, unopened container stored at room temperature. **2K Crack Repair** is packaged in 1 gallon & 2 gallon kits.

#### SURFACE PREPARATION

Concrete must be fully cured prior to application. Clean the joint area to be injected. Clean the surface and remove all unsound concrete, dust & debris. Prepare surface using a twisted wire wheel for spalls. Cut perimeter of damage with dry diamond blade. Allow area to dry prior application.

## INSTRUCTIONS FOR USE

## 2K CRACK REPAIR

**MIXING:** The Pot Life of this product is only 2 minutes so be sure to MIX ONLY IN SMALL WORKABLE QUANTITIES in an easy dispensing container. Proper mixing is pertinent to application success. Material may separate during long term storage so separate, individual component mixing will be required.

Using a mix ratio of 1 Part A to 1 Part B, pour out the correct amount of Part A into a clean, dry container and mix it slowly with a stir stick, low speed mixer or vigorously shake the tightly closed container. In a separate clean, dry container, pour out the correct amount of Part B and mix it slowly with a stir stick, low speed mixer or vigorously shake the tightly closed container.

In a new clean, dry container combine the equal parts of Part A & Part B. Stir contents for approximately 15-45 seconds. No induction time is required prior to use, nor after mixing. Use Product Immediately!

**APPLICATION:** Pour directly into crack or over sand in base of crack. Work the repair area quickly. Screed to finished grade and allow to set. For better finished repair surface, pour grout mix slightly high above the finished grade. Allow to set and grind using a grinder fitted with a fine grit Zec wheel. Work in a circular, motion to grind/smooth to finished grade. Seal the surface using mixed product neat with no sand.

**NOTE:** Applying material outside of the suggested parameters may result in product failure. It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results, prior to application. Coverage rates vary for all coatings & substrates depending on porosity, density, texture etc.

**For first time users: This is a very fast setting product.** It is recommended to test the product & become familiar with how it works before using it in an application. The expected workable pot life after mixing Part A and Part B is approximately 2 minutes at a common temperature range of 70°F - 80°F at roughly 50% relative humidity.

**\*\*FOR PERSONAL PROTECTION - USE GLOVES, GOGGLES & RESPIRATORS\*\***

## CLEAN-UP & PRODUCT REMOVAL

Use Xylene. Dispose of containers in accordance with local and federal regulations. Dried, cured material may be removed by using a diamond grinding method, sandblasting, or similar mechanical action.

## PRECAUTIONS AND LIMITATIONS

- All new concrete must be cured for at least 28 days prior to application.
- This product will not freeze during storage, however, allow product temperature to rise to 50°F before application.
- This product may darken the surface of many new and existing concrete substrates. Test prior to use.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed.
- If using indoors, use proper ventilation while applying and for hours after application to ensure fumes are removed.
- It is not recommended to apply product over carpet, tile or other types of floor adhesives.
- Do not expose Part A to moisture and do not apply the mixed product to a wet floor.
- Please be aware that this product, when cured, may be slippery when wet.
- It is not recommended to thin product. Improper thinning may cause sealer to delaminate in a short time frame.
- This product may bond damaged slabs together. **Do not apply where slab movement is required.**
- This product should not be used in hot climate conditions as the set time may drastically shorten.
- **SOLVENT VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE OR OTHER SOURCES OF IGNITION AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.**

## SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use. FOR PROFESSIONAL USE ONLY!

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