TECH DATA - DOC 340
QUICK CRACK REPAIR

EPOXY FLOOR COATINGS
Epoxies - Urethanes - Sealers

PRODUCT DESCRIPTION:
DOC 340 is a two component polymer designed for quick crack repair in concrete. It consists of Part A,B, mixed 1:1, and packaged in quarts, 1/2 gallons, 1 gallon, and 2 gallon kits. They are bottled in easy to pour plastic containers for easy mixing. Quick crack repair has a fast pot life of 1 to 2 minutes and sets in about 10 to 20 minutes. When cured DOC 340 creates a super strong bond and cures hard.

RECOMMENDED FOR:
Industrial repairing of spalled concrete, holes, cracks, and thresholds or uneven concrete slabs. DOC 340 is great for repairing cracks before applying decorative concrete overlays and other tops coats like epoxies and urethanes.

SOLIDS BY WEIGHT:
Nearly 100% cured

VOLATILE ORGANIC CONTENT:
5.5 grams per liter cured

STANDARD COLORS:
Gray colored when mixed and cured. The gray color will not develop until the curing process takes place.

RECOMMENDED THICKNESS:
The DOC 340 polymer can be applied at variable thicknesses with the use of any dry sand aggregate.

COVERAGE PER UNIT:
Coverage is dependent on hole size and amount of aggregate sand used. One small kit will repair approximately 100 feet of ¼" x ¼" cracks in a concrete floor.

PACKAGING:
Qt. Kit - (1 pint part A, 1 pint part B)
Half Gal. Kit - (1 qt. part A, 1 qt. part B)
Gal. Kit - (1 half gal. part A, 1 half gal. part B)
2 gal. kit - (1 gal. part A, 1 gal. part B)

MIX RATIO:
The mix ratio is 1:1 by volume

SHELF LIFE:
1 year in unopened containers

SHORE D HARDNESS:
71

TENSILE STRENGTH:
4,500 psi

ELONGATION:
5-6%

IMPACT & ABRASION RESISTANCE:
excellent

COMPRESSIVE STRENGTH:
4,400 psi (as a slurry with aggregate sand)

BOND STRENGTH:
535 psi

VISCOSITY:
Less than 30cps typical

CURE SCHEDULE:
pot life (100 gram mass) ……1-4 minutes @ 70^0 F
recoat or topcoat.....……1 hour @ 70 degrees F
light foot traffic...…...……..10-20 minutes @ 70 degrees F
(heavy traffic)... ……1 hour @ 70 degrees F

APPLICATION TEMPERATURE:
20-90 degrees F (lower temperatures will require additional cure time)

PRIMER:
The crack should dry and clean. Prime the crack with DOC 340 using a small cup of mixed material and add sand as you go.

TOPCOAT:
None required. However, many types of products can be used as coatings or overlays for the area that has been patched.

LIMITATIONS:
1) Because of the quick cure time for this product, it is best to work with one small area at a time. If the material is allowed to stand for more than 1-2 minutes after initial use, the material will start to cure. Mix in small batches only.
2) Color stability may be affected by environmental conditions such as UV light, high humidity or chemical exposure.
3) Final cured product colors may vary from batch to batch and be influenced by the silica aggregate when used.
4) Substrate temperature must be 5^0 F above dew point.
5) All new concrete must be cured for at least 30 days prior to application.
6) When applying material in cold areas, make sure the surface is clean and dry. Also, it is best to keep the material and aggregate sand at normal room temperature.
7) See page 2 for application instructions.
8) Physical properties are typical values and not specifications.
9) See page 3 for limitations of our liability and warranty

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MIXING AND APPLICATION INSTRUCTIONS

1**) PRODUCT STORAGE:** Continuous storage should be above 55^0 F to prevent product crystallization. If working in high heat during summer conditions, keep both parts A and B cool in the shade or in a container of cool water.

2) **SURFACE PREPARATION:** All dirt, oil, dust, foreign contaminants, and laitance must be removed to assure a trouble free bond to the substrate. For repair of spalled concrete, a stiff wire brush can be used to remove all loose concrete. After wire brushing the spalled area, remove all loose dust and debris with an industrial vacuum or blower.

3) **PRIMER:** The material is self-priming.

4) **PRODUCT MIXING:** Add equal amounts part A and part B in a small paper cup. Quickly stir the mixture a few seconds and begin to pour along the crack.

5) **PRODUCT APPLICATION:**
Caution: Use only small batches as the liquid sets off in 1 to 2 minutes.

- Apply a thin layer of the mixed liquids from a cup or squeeze bottle (clear bottle with a tip) into the concrete crack. For larger areas, it may be beneficial to use a small brush to spread the liquids to evenly cover the repair area.

- Sprinkle dry sand onto the repair area immediately after pouring the mixed liquid into the crack. Move quickly along the area until all liquid is used up. Pour the sand as you go. Remember to mix only very small amounts to prevent the product from curing in the cup before use. Go back and pour more liquid over the sand to saturate. Re-apply more sand and liquid as needed until the area is built up level to floor.

- Finally, trowel the floor to smooth by shaving off excess material along the crack or hole. Allow the material to cure for ten to twenty minutes before foot traffic and when applying overlay materials. For heavy equipment such as fork trucks, allow the material to cure for a half hour to an hour before using area that has been patched.

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NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND

LIMITATIONS ON OUR LIABILITY

We warrant that our products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE**. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM. (EPOXYDOC LLC)**

SLIP AND FALL INFORMATION
IMPORTANT PLEASE READ

OSHA and the ADA (American Disabilities Act) have set standards for pedestrian surfaces concerning slip resistance. These standards are enforceable and should be taken seriously by professional installers and end users. Most floor coatings are not slip resistant. **EpoxyDoc recommends the use of a slip resistant additive in all flooring systems**. Any floor coatings exposed to water, oil, dirt, grease, and or any other potential slip hazard material should contain a slip resistant additive. EpoxyDoc or its sales agents shall have no liability and will not be responsible for incidents or injuries incurred in a slip and fall accident. It is the end user's and professional installer's responsibility to provide a flooring system that meets current safety standards for slip resistant floors when using EpoxyDoc flooring systems.

RESPIRATORY AND SKIN PROTECTION

1) Use adequate ventilation when installing coatings.
2) Use protective clothing and gloves.
3) Use appropriate respirator during application in confined areas.
4) Avoid contact with skin
5) Some people may be allergic to floor coating resins and vapors