

TECH DATA - DOC 130

FLEXIBLE EPOXY 100% SOLIDS



PRODUCT DESCRIPTION:

DOC 130 is a two component 100% solids flexible epoxy designed for sealing traffic surfaces exposed to vehicular or foot traffic. The toughness and elongation eliminate the need to repair hairline cracks. This product is formulated for use in a broadcast system as the basecoat or can be top coated by other epoxies and urethanes.

RECOMMENDED FOR:

Uses include priming to bridge small cracks before applying other top coats. DOC 130 is flexible and has good elongation properties. Can be used as a standalone broadcast system in garages, warehouses, auto bays, auto dealerships, kitchens, and restaurants.

SOLIDS BY WEIGHT:

100% (+/- 1%)

SOLIDS BY VOLUME:

100% (+/- 1%)

VOLATILE ORGANIC CONTENT:

0 pounds per gallon

COLORS AVAILABLE:

Clear (gardner 3-4)

RECOMMENDED THICKNESS:

10-50 mils

COVERAGE PER GALLON:

32-160 square feet per gallon @ 10-50 mils

PACKAGING INFORMATION:

2 gallon kit (part A, Part B volume approximate)

10 gallon kits (part A, part B volume approximate)

MIX RATIO:

1:1 approximate. 9.2 pounds 1 gallon part A to 8.2 pounds

1 gallon part B

SHELF LIFE:

1 year in unopened containers

ABRASION RESISTANCE:

Taber abraser CS-10

VISCOSITY:

Mixed= 1,000-1,700 cps (typical)

FLEXURAL STRENGTH:

2,600 psi ASTM D790

COMPRESSIVE STRENGTH:

4,100 psi ASTM D695

TENSILE STRENGTH:

2,450 psi ASTM D638

ULTIMATE ELONGATION:

60%

GARDNER VARIABLE IMPACTOR:

160 inch pounds direct- passed

ADHESION:

450 psi @ elcometer (concrete failure, no delamination)

HARDNESS:

Shore D= 58

CURE SCHEDULE: (70°)

pot life (2 gallon volume).....15-25 minutes

tack free (dry to touch)5-8 hours

recoat or topcoat.....8-12 hours

light foot traffic.....12-24 hours

full cure (heavy traffic)...2-7 days

APPLICATION TEMPERATURE:

60-90 degrees F with relative humidity below 85%

PRIMER:

None required

TOPCOAT:

DOC 201, DOC 202, DOC 210, DOC 220

LIMITATIONS:

- 1) Clarity of color or gloss may be affected by environmental conditions such as high humidity, low temperatures, or chemical exposure.
- 2) Clarity of color may vary from batch to batch. Therefore, use only product from the same batch for an entire job when not intended solely as a primer.
- 3) It is recommended that a broadcast application be performed with a subsequent topcoat system. This product was intended to act as a primer for bridging cracks in a broadcast system before topcoating.
- 4) This product is not suitable in all chemical environments. When chemical exposure is imminent, a test should be performed to test suitability.
- 5) Substrate temperature must be 5°F above dew point.
- 6) All new concrete must be cured for at least 30 days prior to application.
- 7) Applications with relative humidity above 85% or early water contamination may cause white discolorations to develop.
- 8) Improper mixing may result in product failure.
- 9) See page 2 for application instructions.
- 10) Physical properties are typical values and not specifications.
- 11) See page 3 for limitations of our liability and warranty.

MIXING AND APPLICATION INSTRUCTIONS

1) **PRODUCT STORAGE:** Store product at normal room temperature. Continuous storage should be between 60 and 90 degree F. Low temperatures or temperature fluctuations may cause product crystallization.

2) **SURFACE PREPARATION:** Shot blast or grinding the surface is the best prep for concrete. All dirt, foreign contaminants, oil, and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4'X4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. For further testing a moisture test kit can be purchased from EpoxyDoc.

3) **PRODUCT MIXING:** Use a clean bucket. This product has a mix ratio of 1 parts A to 1 part B by volume. Check page one tech data. Standard packages are in pre-measured kits and should be mixed as supplied in the kit. We highly recommend that the kits not be broken down unless accurate measuring is used. Pour part A into a clean new bucket. Add part B and stir using a paint mixing paddle attached to a small drill.

5) **PRODUCT APPLICATION:** Cut in all edges and corners as you proceed. Roll out the flexible epoxy at 160 SF/gallon. For faster results pour mixture onto the floor, and squeegee to distribute the epoxy evenly. Back roll the epoxy using a 3/8 inch roller. Because this product has a short pot life it is recommended after blending the mixture to pour the entire content out and squeegee the material. Make sure to mark out the correct square footage on the floor so you get the correct mil thickness. Aggregate can be broadcast into the wet material if desired. After the surface has dried another coat of flexible epoxy can be applied. Other top suitable top coats can be applied as well.

- Remember pot life is about 30 minutes so work in small batches only mix 1.5 gallons at a time.
- Maintain temperatures within recommended ranges during application and curing.
- When humidity is present, apply epoxy within parameters shown.
- When pot life is reached and epoxy starts to get sticky or hard to apply, stop and mix a new batch.
- Applications made at different times and conditions may show slight variations in color and gloss.
- Decorative paint chips may be broadcast into the wet epoxy to create a granite type floor.
- Decorative paint chips will mask and hide multiple imperfections in the concrete.

6) **RECOAT OR TOPCOATING:** A suitable top coat can be used to protect the epoxy finish. Make sure the epoxy is completely tack free before applying any top coat. Colder temperatures will require more cure time for the product before recoating. If a blush is present, it can be removed by any standard detergent cleaner prior to top coating. Many epoxy coatings and urethanes as well as multiple coats of this product are compatible for use as a topcoat. If recoating after 48 hours, de-gloss before recoat by sanding the surface with a light sand paper.

7) **CLEANUP:** Xylene or like products

8) **RESTRICTIONS:** Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

**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