

TECH DATA - DOC 120 MOISTURE VAPOR BARRIER

**PRODUCT DESCRIPTION:**

DOC 120 is a two component 100% solids epoxy seal coat that can help control moisture vapor emission rates up to 20 lb/24hr/1000 square feet. DOC 120 can be used prior to application of epoxies, urethanes, vinyl sheet goods, tile, cementitious overlays, wood veneers, carpet or polymeric coating systems. The product meets the ASTM F3010 product requirements for vapor permeance at the recommended thickness.

RECOMMENDED FOR:

Vapor barrier application on horizontal concrete. Best suited for indoors only. DOC 120 can help alleviate some of the issues associated with moisture vapor issues in concrete.

CONTROLS VAPOR EMISSIONS:

20 lb/24hr/1000 SF

SOLIDS BY WEIGHT:

100%

SOLIDS BY VOLUME:

100%

VOLATILE ORGANIC CONTENT:

0

RECOMMENDED FILM THICKNESS:

17 mils

COVERAGE PER GALLON:

95 square feet per gallon @ 17 mils

PACKAGING INFORMATION

1.5 gallon kit (1 gallon part A, ½ gallon part B)

3 gallon kit (2 gallons part A, 1 gallon part B)

15 gallon kits (10 gallons part A, 5 gallons part B)

MIX RATIO:

2:1 (1 gallon part A, .50 gallon part B approx.)

SHELF LIFE:

1 year in unopened containers

FINISH CHARACTERISTICS:

Gloss (60-90 at 60 degrees @ glossmeter)

ABRASION RESISTANCE:

Taber adrasor CS-17 calibre wheel with 1000 gram total load and 500 cycles = 44 mg loss

ADHESION:

350 psi @ elcometer (concrete failure, no delamination)

FLEXURAL STRENGTH:

9,700 psi @ ASTM D790

COMPRESSIVE STRENGTH:

7,400 psi @ ASTM D695

TENSILE STRENGTH:

6,100 psi @ ASTM D638

HARDNESS:

Shore D= 75-80

CURE SCHEDULE: (70°)

pot life – 1 1/2 gallon volume28-38 minutes

tack free (dry to touch).....6-10 hours

recoat or topcoat.....12-16 hours

light foot traffic.....12-16 hours

full cure (heavy traffic).....3-7 days

APPLICATION TEMPERATURE:

60-90 degrees F with relative humidity below 80% for best results

TOPCOAT:

Various top coats and systems

LIMITATIONS:

- 1) Color stability or gloss may be affected by environmental conditions, high humidity or chemical exposure
- 2) Colors may vary from batch to batch. Therefore, use only product from the same batch for an entire job.
- 3) Apply a suitable primer before using this product.
- 4) This product is not UV color stable and will yellow in the presence of sunlight. We recommend a topcoat.
- 5) When using bright or light colors, multiple coats of a topcoat may be necessary, depending on the topcoat color used, to achieve a satisfactory hide.
- 6) Substrate temperature must be 5°F above dew point.
- 7) For best results, apply with a 1/4" nap roller.
- 8) All new concrete must be cured for at least 30 days prior to application.
- 9) See reverse side for application instructions
- 10) Physical properties are typical values and not specifications
- 11) See reverse side for limitations of our liability and warranty.

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- 1) **PRODUCT STORAGE:** Continuous storage should be between 60 and 90 degree F. Low temperatures or great temperature fluctuations may cause crystallization.
- 2) **SURFACE PREPARATION:** Prep floors by shot blasting or grinding. A suitable profile should be achieved. All dirt, foreign contaminants, oil, and laitance must be removed to assure a trouble free bond to the substrate.
- 3) **PRODUCT MIXING:** This product has a mix ratio of 2 parts A to 1 part B. (2:1) After part A and B are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free.
- 4) **PRODUCT APPLICATION:** The mixed material can be applied by a suitable serrated squeegee and then back rolled as long as the appropriate thickness recommendations are maintained. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. If concrete conditions or over aggressive mixing causes air entrapment, then an air release roller tool should be used prior to the coating tacking off to remove the air entrapped in the coating.
- 5) **RECOAT OR TOPCOATING:** After the product becomes tack free and is firm to the touch, apply any number of top coat applications.
- 6) **CLEANUP:** Use xylol

**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