

# TECH DATA - DOC 202

## Water Base Urethane



### PRODUCT DESCRIPTION:

DOC 202 is a two component water based catalyzed aliphatic high performance urethane emulsion sealer that exhibits excellent abrasion resistance without the objectionable solvent odors associated with other urethane products. This product has an extremely fast set time and a very long pot life.

### RECOMMENDED FOR:

Uses include coating concrete or other cementitious substrates. Do not use in immersion service or constant chemical exposure areas.

### SOLIDS BY WEIGHT:

Mixed= 30%

### SOLIDS BY VOLUME:

Mixed = 24%

### VOLATILE ORGANIC CONTENT:

Mixed VOC = 146g/l

### COLORS AVAILABLE:

Clear only

### RECOMMENDED FILM THICKNESS:

3-4 mils wet 1.0 mils dry

### COVERAGE PER GALLON:

401-534 square feet @ 3-4 mils wet thickness

### PACKAGING INFORMATION

1 gallon (A gallon kit= 8.5 pounds net approximately)

5 gallon kits

### MIX RATIO:

1 gallon part A (8.5# approximate) to 50 grams part B by weight. (1 gallon total mix- 77:1 mix ratio by weight)

### SHELF LIFE:

1 year in unopened containers

### FINISH CHARACTERISTICS:

High gloss >80 at 60 degrees

### ABRASION RESISTANCE:

Taber abrasor CS-17

### IMPACT RESISTANCE:

Gardner Impact, direct = 50 in.lb.

### FLEXIBILITY:

No cracks on a 1/8" mandrel

### ADHESION:

345 psi

### VISCOSITY:

Mixed = <100 cps

### ELONGATION AT BREAK:

120%

### CURE SCHEDULE: (70°)

pot life – 1 gallon volume .....24 hours  
tack free (dry to touch).....10-20 minutes  
recoat or topcoat.....1-2 hours  
light foot traffic.....2-4 hours  
full cure (heavy traffic).....2-3 days

### APPLICATION TEMPERATURE:

55-100 degrees F with relative humidity below 85%

### PRIMER:

None required.

### TOPCOAT:

None required. Multiple coats of this product are compatible.

### LIMITATIONS:

- 1) Clarity of color or gloss may be affected by high humidity, low temperatures or chemical exposure. For best results use a 3/8" nap premium quality roller.
- 2) Slab on grade requires moisture barrier.
- 3) Substrate temperature must be 5°F above dew point
- 4) All new concrete must be cured for at least 30 days
- 5) Do not apply this product to areas where there is standing water, damp concrete can be coated.
- 6) Not intended to be used over other basecoats.
- 7) Additional coats should be applied before a twenty four hour time period has elapsed, otherwise, it may be necessary to slightly roughen and degloss the previous coat.
- 8) Physical properties listed on this technical data sheet are typical values and not specifications.
- 9) See page 2 for application instructions.
- 10) See page 3 for limitations of our liability and warranty.

### MIXING AND APPLICATION INSTRUCTIONS

- 1) **PRODUCT STORAGE:** Continuous storage should be between 60 and 90 degree F. Keep from freezing.
- 2) **SURFACE PREPARATION:** Achieve a suitable profile. All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete has an appropriate vapor barrier. 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 proceed to application.
- 3) **PRODUCT MIXING:** Kits should be mixed in their entirety. 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. This product can be applied as either a one component (part A) product or the part B can be added. The part B increases the chemical resistance and physical properties by increasing the cross section cured density. We recommend that the part B be used for best results.
- 4) **PRODUCT APPLICATION:** The mixed material can be applied by brush or roller. Maintain temperatures and humidity within the recommended ranges during the application and curing process. When adding the part B, the pot life is reached after 24 hours.
- 5) **RECOAT OR TOPCOATING:** Multiple coats of this product are acceptable. Make sure coat is dry and ready to recoat. Always remember that colder temperatures will require more cure time for the product before recoating can commence. We do not recommend any coatings be placed over this product except multiple coats of this product itself.
- 6) **CLEANUP:** Use PM solvent
- 7) **FLOOR CLEANING:** Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.
- 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