

TECH DATA - DOC 201

HI-BUILD URETHANE



PRODUCT DESCRIPTION:

DOC 201 is a two component polyester/aliphatic polyurethane coating that exhibits excellent characteristics for abrasion resistance, chemical resistance, flexibility, weathering, and UV stability. This product meets the VOC requirements for the newly enacted VOC laws, as an industrial maintenance coating.

RECOMMENDED FOR: Uses include auto service centers, warehouses, computer rooms, laboratories, aircraft hangers, cafeterias, exterior tanks, indoor or outdoor service and chemical exposures areas.

SOLIDS BY WEIGHT:

Mixed= 73% (colors); 64% (clear) (+/- 2%)

SOLIDS BY VOLUME:

Mixed= 70% (colors); 60% (clear) (+/- 2%)

VOLATILE ORGANIC CONTENT:

VOC content is less than 335 g/l (mixed)

STANDARD COLORS:

white, off white, light gray, medium gray, tile red, beige, and clear.

RECOMMENDED FILM THICKNESS:

3-5 mils per coat wet thickness (yields 2-3 mils dry)

COVERAGE PER GALLON:

320 to 500 square feet @ 3-5 mils wet thickness

PACKAGING INFORMATION:

3 gallon 1 gallon part A .50 gallons part B
15 gallon 10 gallons part A, 5 gallons part B

MIX RATIO:

2:1 2 parts A to 1 part B by volume (approximate)

SHELF LIFE:

1 year in unopened containers

FINISH CHARACTERISTICS:

high-gloss (>70 at 60 degrees @ glossmeter)

IMPACT RESISTANCE:

Gardner Impact, direct & reverse=160 in lb (passed)

ABRASION RESISTANCE:

Taber abrasor CS-17

ADHESION:

350 psi

VISCOSITY:

Mixed= 200-600 cps (typical)

HARDNESS:

Shore D= 62

CURE SCHEDULE: (70°F)

pot life – (1 1/2 gallon volume).....2-4 hours
tack free (dry to touch).....3-5 hours
recoat or topcoat.....5-9 hours
light foot traffic.....14-24 hours
full cure (heavy traffic)..... 3-5 days

APPLICATION TEMPERATURE:

45-90 degrees F. with relative humidity below 90%

PRIMER:

DOC 101, DOC 102,

TOPCOAT:

None recommended

LIMITATIONS:

- 1) Colors or clarity for clear may be affected by high humidity, low temperatures, or chemical exposure.
- 2) For best results use a high quality 3/8" nap roller.
- 3) Slab on grade requires moisture barrier.
- 4) Substrate temperature must be 5°F above dew point.
- 5) All new concrete must be cured for at least 30 days.
- 6) Light or bright colors (white, safety yellow, etc.) may require multiple coats or a suitable color coordinated primer to achieve a satisfactory hide.
- 7) Colors may vary from batch to batch, therefore, use only product from the same batch for an entire job.
- 8) Tire contact may cause discoloration or staining.
- 9) Physical properties are typical values and not specifications.
- 10) See reverse side for application instructions.
- 11) See reverse side for limitations of our liability and warranty.

MIXING AND APPLICATION INSTRUCTIONS

- 1) **PRODUCT STORAGE:** Store product in an area as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degrees F.
- 2) **SURFACE PREPARATION:** Apply over newly installed epoxies, stained or decorative concrete floors within 24 hours as a clear top coat. Make sure surface is clean and dry to the touch. Remove all dust and dirt. Wiping the floor before coating with xylene will help insure a dust free floor
- 3) **PRODUCT MIXING:** This product has a two to one mix ratio by volume. Mix 1 gallon part A with .50 gallons part B. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. Avoid whipping air into the coating. Improper mixing may result in product failure.
- 4) **PRODUCT APPLICATION:** The mixed material can be applied by brush or roller. Maintain temperatures within the recommended ranges during the application and curing process. It is best to maintain a wet edge to avoid roller marks. Direct sunlight or high temperatures may cause visible roller marking during application. Too thick of an application may result in product failure. Applications with relative humidity higher than 90% and/or poor air circulation may cause improper cure and surface tackiness.
- 5) **RECOAT OR TOPCOATING:** Multiple coats of this product are acceptable. If you opt to recoat this product, you must first be sure that all solvents have evaporated from the coating during the curing process. Most coats can done every 24 hour.
- 6) **CLEANUP:** Use ketone solvents
- 7) **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