



EPIC DC1000 HYBRID SURFACE SEALER

SEALER

PRODUCT DESCRIPTION:

Epic DC1000 Hybrid Surface Sealer is an easy to use, single component water-based urethane acrylic sealer, designed to protect interior floor surfaces. Excellent for use in a wide variety of applications, including retail centers, lobbies, warehouses, storage facilities, instructional spaces, and any application where a protective and attractive finish is desired. Also excellent as a protective and attractive finish on self-leveling cement toppings. This unique product is based on a scientifically designed hybrid formulation that exhibits excellent clarity and performance characteristics.

- Hybrid urethane acrylic formulation
- Seals and protects concrete and most flooring surfaces
- Durable and stain-resistant
- Easy application
- Quick drying, low odor formulation
- UV-resistant
- Attractive high-gloss finish
- Excellent wear characteristics
- Excellent for sealing self-leveling cement based toppings

SOLIDS BY WEIGHT: 25% (+/- 2%)

SOLIDS BY VOLUME: 22% (+/- 2%)

VOLATILE ORGANIC CONTENT: VOC= 65 g/l (regulatory)

COLORS AVAILABLE: This product is available in a clear only

RECOMMENDED FILM THICKNESS: 3-4 mils wet (0.5 – 1.0 mils dry)

COVERAGE PER GAL: 400-535 square feet @ 3-4 mils wet thickness

PACKAGING INFORMATION: 1 gallon and 5 gallon containers

MIX RATIO: One component product, simply stir before using

SHELF LIFE: 1 year in unopened containers

ABRASION RESISTANCE: Taber abrasion test CS-17 calibrase wheel with 1000 gram total load and 500 cycles = less than 50 mg loss

IMPACT RESISTANCE: Gardner Impact, direct = 50 in.lb. (passed)

FLEXIBILITY: No cracks on a 1/8" mandrel

ADHESION: 345 psi @ elcometer (concrete failure, no delamination)

VISCOSITY: Less than 100 cps (typical)

DOT CLASSIFICATIONS: Not regulated

ELONGATION AT BREAK: 105%

APPLICATION TEMPERATURE: 55-100 degrees F with relative humidity below 85%

PRIMER: None required.

TOPCOAT: None required. Multiple coats of this product are compatible.

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

CHEMICAL RESISTANCE	
xylene	A
mek	A
gasoline	A
10% sodium hydroxide	B
50% sodium hydroxide	B
acetic acid 5%	A
10% sulfuric	B
10% hydrochloric acid	B
20% nitric acid	A
ethylene glycol	B
Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.	

MIXING AND APPLICATION INSTRUCTIONS (DC1000)

PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degrees F. Keep from freezing.

SURFACE PREPARATION: Surface preparation will vary according to the type of system to be applied. For a one or two coat thin build system (3-10 mils dry) we recommend either mechanical scarification or acid etching until a suitable profile is achieved. For a complete system build higher than 10 mils dry, we recommend a fine brush blast (shot blast). All dirt, oil, dust, foreign contaminants and efflorescence 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 the substrate does not show signs of eventual hydrostatic pressure problems that may later cause disbanding. However, this product can be applied to a damp floor as long as there are not standing puddles.

PRODUCT MIXING: This product should be stirred well before using. Mix with slow speed mixing equipment to avoid introducing air into the material.

PRODUCT APPLICATION: The material can be applied by brush, roller or spray method. Maintain temperature and humidity within the recommended range during application and curing process.

RECOAT OR TOPCOATING: it is best to test the coating before recoating or top coating. This can be done by pressing on the applied coating with your thumb. If no impression is created, then a recoat or topcoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating can be applied. If previous coats have a blush, clean with a standard type detergent cleaner, prior to application of additional coat.

CLEANUP: Use standard cleaning agents such as mild detergents.

FLOOR CLEANING: Some cleaners may affect the color of the floor installed. 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.

LIMITATIONS:

- Clarity of color or gloss may be affected by high humidity, low temperatures or chemical exposure.
- Slab on grade requires a moisture barrier.
- Substrate temperature must be 5°F above dew point All new concrete must be cured for at least 30 days
- Do not apply this product to areas where there is standing water, although damp concrete can be coated.
- Additional coats should be applied before a twenty four hour time period has elapsed, otherwise, it may be necessary to slightly roughen and de-gloss the previous coat.
- Too thick of an application may result in solvent entrapment and subsequent product failure.

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 sales of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW THE PRECAUTIONS TO PREVENT BODILY HARM.