



# DC395 COVE BASE

## COVE BASE

Epic DC395 is a high quality urethane cement product designed for creating a cove transition between floors and walls and is most often used in combination with urethane cement slurry systems such as Epic DC380. It is specially formulated for use in demanding environments where hygiene and continuous wash down are the norm. Typical usage areas include commercial kitchens, beverage facilities, locker rooms, food processing and bathrooms. DC395 can withstand thermal shock, impact, abrasion and chemical exposure and is resistant to fungi growth per industry standard ASTM G-21.

### FEATURES AND BENEFITS

- Seamless hygienic finish
- Low odor
- Quick cure time
- Resistance to thermal shock
- Excellent chemical resistance

**SOLIDS BY WEIGHT:** Approximately 98% solids (liquids mixed with aggregate)

**VOLATILE ORGANIC CONTENT:** 5 grams per liter

**STANDARD COLORS:** Gray, tan and red. (Special colors available with minimum quantities.)

**COVERAGE PER KIT:** The standard Unit typically yields 35 In/ft/unit for a 3/16" x 4" cove base.

**PACKAGING:** The Urethane Cove Base kit consists of 3-4 components, depending on whether color is desired.:

1. ½ gal. container Part A Urethane liquid
2. ½ gal. container Part B Urethane liquid
3. 28 lb. bag Cove Base Aggregate blend in
4. ½ lb bag Powder Pigment

**COMPRESSIVE STRENGTH:** 5,800 psi @ ASTM C-579

**TENSILE STRENGTH:** 900 psi @ ASTM C-307 BOND

**FLEXURAL STRENGTH:** 1,900 psi @ ASTM C-580

**HARDNESS:** Shore D = 80

**IMPACT RESISTANCE:** 160 in. lbs @ ASTM D-4226

**RESISTANCE TO FUNGI GROWTH:** Passes rating of 1 @ ASTM G-21

**HEAT RESISTANCE:** Can withstand up to 250F degrees

**PRIMER:** Prime substrate with DC110 Primer or DC390 Top Coat prior to application of DC395 Cove Base.

**SHELF LIFE:** 6 months for unopened and properly stored containers.

CURE SCHEDULE (70 Degrees F)	
Pot Life	15 Minutes
Light Foot Traffic	12 Hours
Heavy Foot Traffic	24 hours
Full Cure	7 Days
<b>Application Temperature: 40-85 degrees F. with relative humidity below 85%</b>	

CHEMICAL RESISTANCE TESTING	
Spot testing per ASTM D1308 for Mustard, Ketchup, Lactic Acid, Vinegar, and Lemon Juice were performed and no physical damage to the exposed surface was observed. In 24 hour immersion testing, the following results were observed:	
CHEMICAL EXPOSURE	PERFORMANCE
10% acetic acid	Passed
30% nitric	Passed
Sodium hydroxide 50%	Passed
Sulfuric hydroxide 30%	Passed
Xylene	Passed

## **MIXING AND APPLICATION INSTRUCTIONS:** DC395 Water Based Cement Urethane Cove Base

**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. Low temperatures may cause product crystallization. Do Not Freeze.

**SURFACE PREPARATION:** The most suitable surface preparation would be a shot blast to remove all laitance and provide a suitable profile. All dirt, foreign contaminants, oil and laitance must be removed to assure a trouble free bond to the substrate. After surface preparation and before application, repair all bug holes and grind down any projections. Repair all cracks or concrete Imperfections. Surface should have a minimum tensile strength of at least 300 psi @ ASTM D-4541. Surface profile should be CSP 5 or greater per International Concrete Repair Institute guidelines.

**PRODUCT MIXING:** This product is packaged in pre-measured kits. Use the entire kit - do not modify. It is very important to utilize a proper mixer and paddle to ensure a complete mix and to reduce the risk of introducing excessive air into the mixture. Epic recommends the use of a MAN-U-FAB M-61 (1 HP) mixer with a 10 gallon pail and TR4-10 mixing arm ([www.mixall.com](http://www.mixall.com)). With the mixer running, pour the part A into the mixing pail. Add the powder pigment bag to the part A liquid and mix for about 15 seconds. Add the part B liquids and mix again for another 15 seconds. Gradually, add all of the contents of the supplied filler part C into the liquid mixture and blend thoroughly until all particles are wetted out, normally about two minutes. Improper mixing may result in product failure. Make sure to apply the product immediately after it is completely mixed.

**PRIMING:** Prime area where the cove base will be installed with the Epic DC110 Primer or Epic DC390 Water-based Urethane.. The DC 395 Cove Base material should be applied directly into the primer coat, while the primer coat is still wet.

**PRODUCT APPLICATION:** To prevent lifting or delaminations, keyways (minimum 5/16" wide x 5/16" deep) must be cut at all terminations, joints, columns and doorways. Apply the mixed material using a marginal trowel, cove base trowel or any other suitable application equipment at a minimum 1/8 inch thickness. Maintain temperatures within the recommended ranges during the application and curing process. Lay abutting edges within 10 minutes to ensure a clean edge. A "wet edge" installation is imperative during large applications to avoid lines and ridges in the finished cove base.

**TOPCOATING:** Topcoats are optional dependent on desired results. In some areas, a suitable novolac or other types of coatings can be used, depending on specific requirements.

**CLEANUP:** For cleaning any application, equipment, water can be used. The urethane component container is best cleaned with a suitable solvent.

**FLOOR CLEANING:** Caution! 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.

**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. 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