



Decorative Composition Cementitious Floor Traffic Coating System

DESCRIPTION

- Designer Floor Surfacing
- Museum Restoration
- Professional Offices
- Retail Stores
- Mall Food Outlets
- Restaurants
- Concrete Restorations
- Restrooms
- Sidewalk Restorations
- Public Hotel Foyers
- Countertops
- Theme Parks
- Soon to be available for special applications over wood

ADVANTAGES

- Unlimited colors, design and texture
- Variegated hues, concrete-like look
- Excellent adhesion and weathering resistance
- Long wearing under traffic
- Conventional floor cleaning methods at a lower life cycle cost
- Topping can be buff shined
- Retards water and waterborne salt penetration
- Resists ultra-violet degradation from long-term exposure to sunlight
- Skid resistant underfoot
- Moderate cost
- Totally unique designs

TYPICAL DATA FOR Micro-Topping

(Material and Curing Conditions at 73°F unless noted, 50% R.H.)

TECHNICAL DATA

ASTM C-266 Set Time Initial	3 hours
ASTM C-266 Set Time Final	6 hours
ASTM C-579 Compressive (28 Day)	4097 psi
ASTM C-307 Tensile Strength (28 Day)	443 psi
ASTM C-307 Tensile Modulus (28 Day)	21,154 psi
ASTM C-580 Flexural Strength (28 Day)	645 psi
ASTM C-580 Flexural Modulus (28 Day)	572 psi
ASTM C-580 Modulus (7 Day)	897 kpsi
ASTM C-580 Modulus (28 Day)	833 kpsi
ASTM C-580 Flexural Secant Modulus (28 Day)	932 kpsi
ASTM C-932 Mod Bond Test (7 Day)	200 psi
(Unprimed dry mortar substrate no prep)	
ASTM C-531 Shrinkage (28 Days)	0.19%
(Curing Conditions 72F, 85% R.H.)	
SHELF LIFE	6 months (dry)
PACKAGING	50 lb (22.68 kg) bags 56 bags per Pallet
COLORS:	White & Light Gray (Natural)

FOR PROFESSIONAL USE ONLY

Technical Assistance, Specifications and Sales

CALL Nationwide Toll-Free 1-800-443- 2871 Fax 1-801-544-5896

CCI Micro-Toppings are a state of the art **single component** thin-section, decorative cementitious coating system which can give the appearance of smooth concrete but yet are flexible, and resilient and paper thin. Tight, flat surfaces are easily produced in a fraction of the time it used to take with standard grouts. Because of their unique consistency, these surfaces are easy to clean and maintain. They produce an extremely durable, low cost, yet attractive appearance. CCI Micro-Toppings are flexible and will accept a limited amount of deflection in the substrate, compensating for concrete movement without sacrificing durability in the least. Just a few of the important characteristics of CCI Micro-Toppings are their extraordinary adhesion, coupled with their ability to withstand prolonged pedestrian and vehicular traffic when properly sealed. In these respects the material is far superior to conventional cementitious coatings used to resurface old or worn concrete. Each application of a CCI Micro-Topping is a unique expression of the installation contracting artist and is not a manufactured look, but rather a compilation of materials, color, skills and experience that combine to tailor an attractive architectural design accent to compliment any surrounding environment.

LIMITATIONS

The average typical thickness is approximately 3/32 inch (2.4 mm) and is light in weight at approximately 1.2 lbs per ft². Since most applications accomplish a smooth texture, and must be sealed in order to be integral, they can become slippery. Care should be taken to be aware of this, or an aggregate should be incorporated onto the seal coat to prevent slipping in areas where water is common, or safety is a concern.

SURFACE PREPARATION:

Surface must be clean and reasonably dry. All crack repair etc, should have taken place prior to pressure washing, scarifying, grinding or shot blasting.

Cut new control joints as required to prevent cracks transferring through the overlay. Pressure-wash all dust and laitents from the surface to ensure a clean surface. If high temperatures are imminent, the substrate may be misted with water immediately before the installation to cool the concrete. **It is highly advisable to apply a thin skim coat consisting of DuraSet™ 1000/1001 Polymer and G-100 Pro Series Grout Mix to the surface. Coloring of this coat is not necessary but advisable. Allow it to dry enough to walk on without causing damage**

MIXING

Each bag of Micro-Topping powder requires 8-10 quarts of water. Do not add additional polymers! Pour approximately ¾ of the liquid into an empty 5-gallon bucket. Add the entire contents of the powder and blend briefly with a drill powered mixer to wet out the material. Add additional water until the desired consistency is achieved. Once the water has been added, mix at medium speed until the material is homogenous and free of all lumps. A mix similar to the consistency of buttermilk is ideal. If desired, any **Concrete Coatings Inc C-Series Colorants** may be added at this time at a rate of ¾-1 cup per batch. Mix until color is uniform

APPLICATION:

The surface should have been previously skimmed prior as mentioned above. Pour 1/4 - 1/3 of the mix onto the surface. At this point, the material may be applied to large areas using a squeegee to spread the material and finished by hand or "funny trowel", or simply spread and troweled by hand. In either case, a thin coating is recommended and all that is necessary. Material builds much over 1/8" are discouraged. For a nice, smooth, power troweled look, trowel the material near to final thickness and then flat trowel again after a few minutes much like you would regular concrete. Sweat and broom finishes

can be accomplished in much the same manner.

Acid Staining:

All CCI Micro-Toppings are compatible with all CCI Chemical Acid Stains. If the surface is to be acid stained upon curing, which is a very common use of these unique materials, it is highly recommended to apply a light mist of water to the surface immediately before acid stain application using a plastic pump sprayer.

Sealing:

Although Micro-Toppings are very durable, they must be sealed to maintain their integrity. Allow the overlay to cure for a minimum of 7 days, protect the surface with **Super Seal™ 2000, Gem-Kote™ 100** or **Gem-Kote 400 VOC Acrylic Sealers**. For additional sealer options or for additional support, please consult Concrete Coatings Inc Technical Support at 800-443-2871.

MAINTENANCE:

The sealed surface should be inspected periodically for areas of thin or traffic-worn sealer and reapplied as needed. A thorough cleaning is recommended prior to resealing to ensure debris or contaminants are not embedded in the subsequent sealer coat(s).

COVERAGES:

One bag of CCI Micro-Topping will cover approximately 250-300 ft² depending on actual application. IT is highly recommended to apply the Micro-Topping over an initial skim coat using DuraSet™ 1000/1001 Acrylic Modifier and the G-100 Series Grout. Due to cost, it is best to utilize Micro-Toppings as a finish coat only and to use less expensive materials for the initial build.

LIMITED WARRANTY - "Concrete Coatings Inc. warrants its products to be free of manufacturing defects, to be of good quality, and that they will meet Concrete Coatings Inc. current published physical properties when applied in accordance with Concrete Coatings Inc. written directions and tested in accordance with ACI, ASTM and Concrete Coatings Inc. Standards. Product proved to be defective will be replaced. **There are no other warranties by Concrete Coatings Inc. of any nature whatsoever, expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product.** Concrete Coatings Inc. shall not be liable for damages of any sort, including remote or consequential damages, resulting from any claimed breach of any warranty, whether expressed or implied, from any other cause whatsoever. Concrete Coatings Inc. will not be responsible for use of this product in a manner to infringe on any patent held by others." Manufactured exclusively for Concrete Coatings Incorporated by Crown Polymers, LLC, Hampshire, ILL