

## 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

### 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
- Single Component
- Unique designs

### TYPICAL DATA FOR Micro-Tek<sup>TM</sup> Micro-Topping

(Material and Curing Conditions at 73<sup>0</sup>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) (Unprimed dry mortar substrate no prep)	200 psi
ASTM C-531 Shrinkage (28 Days) (Curing Conditions 72F, 85% R.H.)	0.19%
<b>SHELF LIFE</b>	6 months (dry)
<b>PACKAGING</b>	40 lb (18.1 kg) bags 56 bags per Pallet
<b>COLORS:</b>	White & Gray (Natural)

### FOR PROFESSIONAL USE ONLY

Technical Assistance, Specifications and Sales

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

Concrete Coatings, Inc. Micro-Tek™ Micro-Topping is a **single component** thin-section, decorative cementitious coating system available in rough grade (RG) in gray and smooth grade (SG) in white and gray. Concrete Coatings, Inc. Micro-Tek™ Micro-Topping can give the appearance of smooth concrete while being flexible, resilient and paper thin. Tight, flat surfaces are easily produced in a fraction of the time it may take with standard grouts. Due to their unique consistency, these surfaces are easy to clean and maintain. They produce an extremely durable, low cost, yet attractive appearance. Concrete Coatings, Inc. Micro-Tek™ Micro-Toppings will accept a limited amount of deflection in the substrate, compensating for concrete movement without sacrificing durability. Important characteristics of Concrete Coatings, Inc. Micro-Tek™ 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 Concrete Coatings, Inc. Micro-Tek™ 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 ft<sup>2</sup>. 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. Concrete Coatings, Inc. Rough Grade (RG) Micro-Tek™ Micro-Topping application 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.

#### **MIXING:**

Each bag of Micro-Tek™ Micro-Topping powder requires 8-10 quarts of water. Do not add additional polymers! Pour ¾ of the 8-10 quarts of water 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 the remaining water and 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:**

Concrete Coatings, Inc. Micro-Tek™ Micro-Topping Rough Grade (RG) application should have already taken place. 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. Material builds over 1/8" are discouraged. If more build is required, contact Concrete Coatings, Inc. technical support. Let Micro-Tek™ Micro-Topping dry completely and sand or rub rock the surface

between layers. Remove all dust and debris. For a 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.

#### **STAINING:**

All Concrete Coatings, Inc. Micro-Tek™ Micro-Toppings are compatible with VIVID™ Acid Stains, and QuickDye™. If the surface is to be acid stained it is recommended to apply a light mist of water to the surface immediately before stain application using a plastic pump sprayer.

#### **SEALING:**

Although Micro-Tek™ Micro-Toppings are very durable; they must be sealed to maintain their integrity. Allow the overlay to cure for a minimum of 24 hours and protect the surface with SuperSeal™ 2000, GemKote™ 400, GemKote 350, GemKote™ 100, SuperSeal™ 20WB or SuperGlaze™ 3600. Please consult Concrete Coatings Inc Technical Support at 800-443-2871 for best sealer options. Apply DuraWax™ to sealed surface for more wear resistance.

#### **MAINTENANCE:**

The sealed surface should be inspected periodically for areas of thin or traffic-worn sealer. Worn areas may be resealed as needed. A thorough cleaning is recommended prior to resealing to ensure debris or contaminants are not embedded in the subsequent sealer coat(s). Concrete Coatings Inc. DuraWax™ is suggested as a sacrificial coat on a sealed surface. DuraWax™ may be re applied as needed.

#### **COVERAGES:**

One bag of Concrete Coatings, Inc. Micro-Tek™ Micro-Topping (SG) will cover approximately 300-500 ft<sup>2</sup> depending on actual application.

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

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