

DECORATIVE COMPOSITION CEMENTITIOUS FLOOR TRAFFIC COATING SYSTEM

DESCRIPTION

Micro-Tek™ RG Micro-Topping is a just-add-water micro-topping designed to be applied as a base coat for subsequent Micro-Tek™ SG Micro-Topping applications.

Designed for use with Micro-Tek™ SG Micro-Toppings, Micro-Tek™ RG Micro-Topping can be used in lieu of G-100 as a scratch or base coat.

USES

Ideal for use in restoring damaged concrete for application of VIVID™ Acid Stains, QuickDye™ or GraniteLook™. Can also be integrally colored with C-Series™ Liquid Colorants for a clean look.

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™ RG MICRO-TOPPING

(MATERIAL AND CURING CONDITIONS AT 73°F UNLESS NOTED, 50% R.H.)

Set Time Initial ASTM C-266 3 hours
Set Time Final ASTM C-266 6 hours

Compressive ASTM C-579(28 Day) 4097 psi

Tensile Strength ASTM C-307(28 Day) 443 psi
Tensile Modulus ASTM C-307(28 Day) 21,154 psi

Flexural Strength ASTM C-580(28 Day) 645 psi
Flexural Modulus ASTM C-580(28 Day) 572 psi

Modulus ASTM C-580(7 Day) 897 kpsi
Modulus ASTM C-580(28 Day) 833 kpsi

Flexural Secant Modulus ASTM C-580(28 Day) 932 kpsi

Mod Bond Test ASTM C-932(7 Day) 200 psi
(Unprimed dry mortar substrate no prep)

Shrinkage ASTM C-531(28 Day) 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 Gray (Natural)

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.

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. Wait 5-10 minutes, and then add the remaining water and mix at medium speed until the material is homogenous and free of

**MIXING (CONTINUED)**

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 3/4-1 cup per batch. Mix until color is uniform.

APPLICATION

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.

Concrete Coatings, Inc. Micro-Tek™ SG Micro-Topping should be applied prior to staining, sealing and waxing.

STAINING

All Concrete Coatings, Inc. Micro-Tek™ Micro-Toppings are compatible with all Concrete Coatings, Inc. VIVID™ Acid Stains and QuickDye™ products. 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. **The absolute maximum allowable burn time for VIVID™ Acid Stains applied to Micro-Tek™ Micro-Toppings is 4 hours.**

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 (RG) will cover approximately 150-250 ft² depending on actual application.

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