



MICROTOPPING DP (Regular or Smooth) Decorative Composition Cementitious Floor Coating System

PRODUCT DESCRIPTION

Microtopping DP is an add water mixed at site dry polymer and cement thin-section, composition decorative coating system which gives the appearance of concrete. Microtopping DP is available in white in two blends of either regular or smooth inert aggregates and can be integral pigmented with ColorPax-LIP. Typical thickness is approximately 3/32 of an inch (2.4 mm) and is light in weight and at approximately 1.2 lbs. per square foot.

TYPICAL USES

Microtopping DP will enhance retail stores, outlets, food and beverage service establishments, and restrooms; floors, surfaces in public areas, in hotels, theme parks, museums, schools and universities.

Microtopping DP produces an extremely durable, low cost, yet attractive appearance. It can be used in the widest ranges of climates and is offered in slip-resistant profiles. It can be antiqued or chemical-stained producing coloration and texture options that provide depth, dimension and accent features unique to each application.

Each application of Microtopping DP 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.

Microtopping DP provides a tough retardant coating, which substantially reduces or prevents water penetration, freeze thaw scaling and concrete carbonation. Microtopping DP is a "breathable" coating, which releases normal entrapped vapor without loosening or blistering and is suitable for an on-grade installation affording a very wide range of application possibilities.

- Designer Floor Surfaces
- Restoration
- Retail Stores
- Outlets
- Food and Beverage
- Restrooms
- Public Hotel Foyers
- Theme Parks
- Museums
- Professional Offices
- Schools / Universities
- Concrete Restorations
- Sidewalk Restorations
- Counter Tops

ADVANTAGES

- Just add water
- Unlimited colors, designs and textures
- Variegated hues, concrete-like look
- Excellent adhesion and weathering resistance
- Long wearing under traffic
- Conventional floor cleaning methods at a lower life cycle cost.
- Retards water and salt penetration
- Resists ultra-violet degradation from long-term exposure to sunlight
- Slip resistance underfoot
- Totally unique designs

COVERAGE RATES

250 ft²/ bag / per coat for DP Regular
600-800 ft²/ bag / per coat for DP Smooth

PACKAGING AND COLORS

- 7042 Microtopping DP Regular (55 lb bag)
- 7042-S Microtopping DP Smooth (55 lb bag)

MIX RATIO

Regular: Add 8-9 quarts of water to 55 lb bag
Smooth: Add 10-12 quarts of water to 55 lb bag

SHELF LIFE AND STORAGE

Shelf life will be 1 year from the date of manufacture as long as containers remain unopened and when material is stored in a protected environment that is free from moisture, excessive heat and freezing temperatures, and direct sunlight.

TYPICAL PHYSICAL PROPERTIES @ 75F (24C)

Water Demand	8 to 12 quarts/55 lbs
Bond Strength ASTM C932, Modified	200 psi (No priming)
Absorption	
Weight gain by 4" coated concrete cube after	
21 days water immersion.....	<2%
Canadian Mortgage & Housing Corp.	
ME 8211-09230 (2" material cube, immersion 48 hrs.)	8.79%
ASTM C642.....	1.61%
Volume of permeable voids.....	5.07%
Freeze/Thaw	No scaling, peeling, flaking
Coated concrete cylinders immersed 8 hrs. in saltwater solution	
followed by 16 hrs. freezing 50 cycles.	
Weathering ASTM G23	60 cycles, No visible degradation
(Weatherometer – Method 1 Procedure)	
Resistance to Wind Driven Rain	@ 5" water or dampness
Fed Spec TT-C-565-B	shows on back of text panels
Compressive Strength ASTM C579, Method A.....	4,100 psi
Shore Hardness ASTM D2440.....	Durometer "A" 82
Impact Resistance	
MIL-PRF-3134, Para. 4.7.3	No cracking or detachment
(2 lb. steel ball dropped from 8" height onto coated steel plate)	
Water Vapor Permeability ASTM E96.....	1.95 perms/inches
Flammability ASTM E84	Flame Spread 4
	Smoke Density U
Tensile Strength ASTM C307	465 psi
Tensile Modulus ASTM C307	21,000 psi
Initial Set ASTM C266.....	3 hrs.
Final Set ASTM C266	6 hrs.
Flexural Strength ASTM C580.....	12,000 psi
Flexural Modulus ASTM C580.....	1.1 million psi
Flexural Second Modulus ASTM C580	900,000 psi
Shrinkage ASTM C531	<0.2%
Impact Resistance MIL-PRF-3135, Para. 4.7.3	
.....	No cracking or delamination
(2 lb. steel ball dropped from 8" height onto coated steel plate	
Water Vapor Permeability ASTM E96.....	1.95 perms/inches
Flammability ASTM C531	<0.2%

OVERVIEW OF INSTALLATION STEPS

(Obtain and refer to Miracote Installation Guideline for full instructions)

- Prepare surface by careful and thorough removal of laitance, grease, and foreign matter.
- Repair existing cracks or voids in the concrete, with approved methods.
- Apply the Miracote Microtopping DP according to Installation Guideline.
- Optional: Apply chemical-stains or antiquing products to produce the desired coloration.
- Apply sealer/topcoat per manufacturer's installation guide.

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For Best Results

Install a minimum 4' by 4' test area site mock up for approval of acceptable color, texture, finish, adhesion, and any other critical requirement acceptable to the owner prior to proceeding with the installation.

Verify current versions of product technical data sheets (PTDS), material safety data sheets (MSDS), and installation guidelines (IG) at www.miracote.com.

Protect materials from excessive heat and cold and regularly check wet film thickness with mil gauge and monitor consumption to ensure correct application thicknesses and rate are obtained.

LIMITATIONS

- Will reflect concrete cracks.
- Do not install in freezing weather.
- Shade variations may occur with natural cement color material.
- Not suitable for use in areas where strong acids or bases are spilled unless specifically protected with a special reagent resistant sealer.

PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and/or factories at all addresses listed below. Products can be purchased through many building materials distributors.

MAINTENANCE

Depending on a number of various factors including weather conditions, location, UV exposure, vehicular vs. pedestrian traffic, your maintenance schedule will change. Please consult your local Miracote Representative for proper instructions.

SPECIFICATION ASSISTANCE

Consult Crossfield Products Corp. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

TESTING

The technical data contained herein is the result of tests made in Crossfield's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

LIMITED WARRANTY

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



MIRACOTE PRODUCT LINE Crossfield Products Corp.

West Coast Office
3000 E. Harcourt Street
Rancho Dominguez, CA
90221
310-886-9100
310-886-9119 fax

East Coast Office
140 Valley Road
Roselle Park, NJ
07204
908-245-2800
908-245-0659 fax

www.miracote.com