

Product Description Sheet

Polymer Modified Cementitious Architectural Stamped Concrete Product

1. PRODUCT DESCRIPTION

A. COMPOSITION

Stamp-Cote is a polymer modified two component cementitious architectural paving system that is installed at a thickness of 1/4" (6.3mm) to 5/8" (15.9mm) and is stamped, using common methods and techniques. Stamp-Cote develops high compression strength, abrasion resistance and is suitable for heavy-duty vehicular or pedestrian traffic.

Stamp-Cote finely graded select aggregate system provides superior relief and impression definition vs. large aggregate concrete and mortar systems. It is designed for interior and exterior applications over new or existing concrete surfaces.

The system consists of a base co-polymer modified mortar that is pigmented with available Dex-O-Tex Liquid Pigment Packs, Dex-O-Tex Liquid Release Agent, optional pigmented dry powders, available Dex-O-Tex colored stains, and Dex-O-Tex protective clear sealers. Each available sealer is designed for various conditions and traffic. Many available stamps can be used with the Stamp-Cote system with little or no modification to traditional stamping techniques used to produce a number of attractive patterns.

B. TYPICAL USES

Stamp-Cote is a superior decorative architectural stampable overlay, which is stamped in patterns of paving stones, tiles, bricks or many other patterns, textures and colors. Stamp-Cote can be specified wherever a stamped finish is desired, when a premium finish is required over new or existing concrete. Stamp-Cote is an excellent solution for interior and exterior applications. It can be installed over many of the Dex-O-Tex Waterproof membrane systems to provide a composition waterproof decorative stamped floor finish.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. High build decorative floor system.
2. High compressive strength.
3. Uses liquid release agent.
4. Available in many standard colors.
5. Can be accented with dry or liquid pigments.
6. Can be chemically stained.
7. Freeze-Thaw Resistant water retardancy prevents cold weather scaling.
8. Simple to use. Pre-portioned mixing.
9. Polymer-fortified. Self-curing and superior adhesion.
10. Installed only by Professional Factory Trained Dex-O-Tex Contractors.

LIMITATIONS:

1. Concrete substrate cracks can reflect through finished applications, cannot be installed over moving cracks, working joints or expansion joints.
2. Drying time is about 8 hours per 1/4" (6.3mm) thickness. Keep temperatures above 55°F (12°C) for fastest cure.
3. Moisture vapor emission rates (MVER) in excess of 4.5 lbs/1000sq/ft/per 24hr. period per ASTM F1869, or an rh in excess of 80% per ASTM F2170 may result in delamination, discoloration or improper curing without proper treatment

prior to installation of the flooring system. Consult Crossfield Products Corp. for specific recommendations.

4. Vapor control primers, sloping, smoothing or leveling compounds, crack repair or isolation, waterproof membranes or other supplementary items may be required for proper installation at an additional cost. Consult with Crossfield Products Corp. for specific recommendations.

2. TYPICAL PHYSICAL PROPERTIES at 75°F (24°C)

A. Compressive Strength

ASTM C-109 (2"x2" cubes) 8,100 psi

B. Tensile Strength ASTM C190 925 psi

C. Flexural Strength ASTM C580 2,410 psi

D. Indention Characteristics (Steadily applied load)

MIL-D-3134, Para. 4.7.4.2.1

(2,000 lbs. on 1" steel ram imposed for 30 min.) 2.26%

E. Adhesion ASTM D4541 >400 psi
(100% concrete failure)

F. Adhesion MIL-D-3134, Para. 4.7.14 305 psi
(Shear from Steel plate after 96 hours)

G. Water Absorption MIL-D-3134 3.41%

H. Impact Resistance (Gardner Impact Tester) No chipping
cracking or delimitation and not more than 0.014"

3. OVERVIEW OF INSTALLATION STEPS

A. Mixing/Volume: Dex-O-Tex Stamp-Cote basecoat screed consists of Stamp-Cote Liquid Polymer (5 gal. pails), Liquid Integral Color Pack and Powder (45 lb. bags). One LIP Pack is mixed with one pail of Liquid Polymer. The mixed polymer is then blended with the Powder at one gallon (1 gal) to one 45-lb. Bag.

B. Surface Preparation: Concrete, new or old, should be cleaned of all grease, paint, curing agents, or loose concrete patches and surface irregularities.

C. Priming: Spread first coat of bondcoat onto prepared surface with a squeegee or trowel and allow to dry thoroughly. Apply second coat of bondcoat just prior to bodycoat installation, making sure bondcoat is still wet when body coat is applied.

D. Application: The basic procedure for installing Stamp-Cote is as follows:

1. The pigmented Stamp-Cote mortar blend is placed by screed at approximately 100 square feet at a time. A wetting mix is squeegeed onto the surface just prior to screed. Wetting mix must not be allowed to dry before covering with the Stamp-Coat bodycoat.
2. Allow body coat to cure to where you can touch the surface and still make an impression but no material wets out on your finger.
3. Prior to carefully placing the stamps over the screeded Stamp-Cote bodycoat, lightly mist the surface with the liquid release using a Hudson-type sprayer.
4. Specially designed flexible stamps may be required for edge work.
5. Allow the release agent to evaporate.
6. When dry, colored chemical stains may be applied.
7. Apply a clear sealer after preparing the surface.

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4. PRODUCT AVAILABILITY

Crossfield Products Corp. maintains offices and/or factories at all addresses listed below. Factory Trained Contractors are established in all major trading areas in the United States, Canada and various European, Latin American and Far East nations.

5. SKID RESISTANCE and CLEANABILITY

In general, the more aggressive the finished surface the greater the coefficient of friction and corresponding skid resistance, the more difficult to clean. The smoother the finished texture the easier the surface is to clean, but there is a loss of skid resistant properties.

6. CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, Crossfield recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued. If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

7. SPECIFICATION ASSISTANCE

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

8. 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.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



DEX-O-TEX 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.dexotex.com