



MIRACOTE Mirastamp

Product Information Sheet

1.) PRODUCT DESCRIPTION

A) Composition

Miracote Mirastamp is a polymer modified two component decorative thin stamped over-layment system designed to produce Architectural paving finishes. Miracote Mirastamp has very high compression strength and can be left exposed to commercial type traffic. Mirastamp is available in two mix designs for interior or exterior applications over existing concrete surfaces.

The system consists of a specially designed priming application, basecoat latex modified mortar pigmented with Miracote Liquid Pigment, Miracote liquid release, optional pigmented dry powders, available Miracote colored stains, and Miracote protective clear sealers "Miraseal" or water based sealers. Available sealers are designed for various conditions and traffic. Many available stamps can be used with the Mirastamp system with little or no modification to traditional stamping techniques used to produce a number of attractive patterns. Mirastamp Architectural paving system is typically installed as a 1/4" to 5/8" decorative overlayment.

B) Typical Uses

Mirastamp is a very decorative profiled over-layment, which looks like stamped concrete yet functions as a tough floor. It can be specified wherever a stamped look is desired where concrete is already in place. Mirastamp offers a good solution for interior as well as exterior applications. Mirastamp can be installed over many of the Miracote Waterproof membrane systems to provide a composition waterproof decorative stamped floor finish. Modified using the Miracote Miraflex ICBO compliant reinforced base and membrane, Mirastamp can be installed as an exterior deck system.

Advantages - Limitations

Advantages

- High build decorative floor system
- Uses liquid release agent
- Available in many standard colors
- Can be accented with dry or liquid pigments (pigments can be mixed in with the liquid release agent)
- Can be chemically stained
- Low maintenance cost
- Finish can be buffed to retain a high sheen
- Freeze-Thaw Resistant: water retardancy prevents cold weather scaling.
- Simple to use: Pre-portioned mixing.
- Polymer-Fortified: Self-curing and superior adhesion.
- High Compressive Strength

Limitations

- Concrete substrate cracks can reflect through finished application; cannot be installed over moving cracks,

3.) INSTALLATION

A) Mixing/Volume

Miracote Mirastamp base coat screed consists of Mirastamp Liquid Polymer (5 gal. pails), Liquid Color IP Pack (pint plastic bottles) and Dry Mix (45 lb. bags). One IP Pack is mixed with one pail of Liquid Polymer. The mixed polymer is then blended with the Dry Mix at one gallon (1 GL) to one 45-lb. Bag. Release agent is a single component spray grade liquid material. Available sealers are single or two component materials.

B) Surface Preparation

Concrete, new or old, to be cleaned. All grease, paint, curing agents, or loose concrete patches and droppings to be removed. Mechanical bead-blasting is recommended.

C) Priming

Prime surfaces to be covered with a liberal brush coat of Miracote Mirastamp Primer mix. The first prime coat is allowed to dry. A required second primer mix is then applied. Mirastamp Basecoat must be applied over second prime coat while the prime coat remains wet.

D) Application

The procedure for installing Mirastamp is as follows:

1. Prime the surface using Mirastamp Primer Mix
2. A primer wetting mix is applied just prior to base coat screed.
3. Pigmented Mirastamp base mortar blend is placed by screed
4. Apply Miracote Release Agent onto both the Mirastamp base mortar and the stamp tool.
5. A colored dry powder may be mixed to the release agent to accent the basecoat Mirastamp screed.
6. Carefully place the stamps over the Mirastamp screed. Specially designed flexible stamps may be required for edge work.
7. Allow the release agent to evaporate.
8. When dry, colored chemical stains may be applied.
9. Apply a clear sealer after preparing the surface.

4.) PRODUCT AVAILABILITY

Miracote Mirastamp is available from any Authorized Miracote Distributor. Crossfield Products Corp. maintains offices and/or factories at all addresses listed below. Approved Miracote Distributors are established in all major trading areas in the United States, Canada and various European and Far Eastern nations.

5.) SPECIFICATION ASSISTANCE

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

working joints or expansion joints.

- Drying time is about 8 hours per 1/4" thickness. Keep temperatures above 55°F (12°C) for fastest cure.

- Fresh water will clean tools and equipment if washed immediately after using.

2.) PHYSICAL CHARACTERISTICS AND TECHNICAL DATA

a) Compressive Strength

ASTM C-109 (2" x 2" cubes) 4,219 p.s.i.

b) 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%

c) Adhesion

MIL-D-3134, Para. 4.7.14

(Shear from Steel plate after 96 hours) 305 p.s.i.

d) Water Absorption

MIL-D-3134 3.41%

e) Tensile Strength

ASTM C-190 925 p.s.i.

f) Flexural Strength

ASTM C-580 2,415 p.s.i.

g) Compression Test

Outdoor 50#/1 gallon mix,

7 day cure 3,300 p. s. i.

28 day cure 3,900 p. s. i.

Indoor 50#/1 gallon mix

7 day cure 2,800 p. s. i

28 day cure 3,900 p. s. i.

h) Impact Resistance

(Gardner Impact Tester) *No Chipping, cracking, or delamination and not more than 0.014"*