

System Description Sheet

Polymer Concrete Admixture

1. PRODUCTION DESCRIPTION

A. COMPOSITION

Dex-O-Tex Contex Polymer Concrete Admixture is a synthetic polymeric latex emulsion designed as an additive for cementitious-based underlayment. Contex has zero VOC, is virtually odorless and is environmentally safe. It greatly improves the adhesion, compressive strength, water absorption, abrasion resistance and tensile strength of cementitious based compounds and can be installed at temperatures as low as 50°F/10°C.

B. TYPICAL USES

When mixed with the proper proportion of Portland cement and mineral aggregates, Contex Polymer Concrete Admixture produces a high strength compound suitable for installation as a flooring underlayment and patching compound. It can be applied from minimum 1/2" up to any thickness required. This compound is suitable for both interior and exterior applications.

C. ADVANTAGES AND LIMITATIONS

ADVANTAGES:

1. Zero VOC content
2. Minimal odor during installation and cure
3. Environmentally safe
4. Improves adhesion, compressive strength, water absorption, abrasion resistance and tensile strength of cementitious based compounds
5. Can be installed at lower temperatures (as low as 50°F/10°C)

LIMITATIONS:

1. Moisture vapor emission rates (MVER) in excess of 15 lbs/1000 sq/ft/per 24 hr period per ASTM F1869, or an rh in excess of 98% per ASTM F2170 may result in delamination, discoloration or improper curing without proper treatment prior to installation of the flooring system. Consult with Crossfield Products Corp. for specific recommendations.
2. 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.

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

A. Compressive Strength

ASTM C109 3,610 p.s.i

B. Tensile Strength

ASTM C109 817 p.s.i

C. Flexural Strength

ASTM C580 1,425 p.s.i

D. Water Absorption

MIL-D-3134 >3.5%

E. Adhesion

(with VL Primer) ACI 403..... 400 psi

4. MIX DESIGN

The recommended mixing proportions are as follows:

- 1 Gallon..... Contex Admix
2 1/2-4 Gallons Clean Potable Water
94 lbs..... Portland Cement Type I or II
250lbs..... Graded Mineral Aggregates
(i.e., RMC Lonestar No. 3,0 or Pea Gravel,
Crushed Agg for thicker applications)
Yield (Volume) 170 ft² at 1/4" thickness.

4. INSTALLATION

Use requires safety gear and eye and skin protection when handling this product.

A. SURFACE PREPARATION

Provide a clean surface free from dirt, grease, oil, curing agents or other foreign matter.

B. PRIMER

Prime the surfaces to be covered with Dex-O-Tex VL Primer at a rate of approximately 250 sq ft per gallon.

C. MIX

Thoroughly mix the Contex Admix, water, cement, and mineral aggregate in the quantities described above.

D. APPLY

Apply the resulting compound to the surface by trowel. Trowel into a tight smooth surface. Apply in multiple layers for applications in excess of 1 1/2".

E. CURE

Allow to cure before application of any coating or covering approximately 12-18 hours per 1/4" of depth installed.

5. 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.

6. SPECIFICATION ASSISTANCE

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

7. 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.



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