

- Floor & Wall Finishes
- Thermal & Moisture Protection
- Concrete Protection & Renewal

A-81 UNDERLAYMENT

Smoothing & Resurfacing Compound for Concrete

Dex-O-Tex's A-81 Underlayment is a polymer modified, pre-packaged cementitious patching and leveling compound designed for use both beneath Dex-O-Tex floors or as a patching, smoothing or resurfacing application without other surfacing over it.

Dex-O-Tex A-81 can also be used as an underlayment to smooth floors for the application of resilient or ceramic tiles. The material is VOC compliant and contains no organic solvents. It is non-toxic and has only a slight odor during installation.



Dex-O-Tex A-81 can be applied to any thickness from almost feather-edge upwards. It can be used on interior or exterior surfaces – including those exposed to freeze/thaw or constant water spillage.

The material “breathes” and is unaffected by water vapor transmission. Fast setting, Dex-O-Tex A-81 Underlayment is pre-packaged for unit mixing and is easy to apply.

A-81 dries to a natural, cement gray color. It can be pigmented with black to produce a charcoal gray finished color when desired.

Physical Properties

- Compressive Strength4,140 psi (ASTM C109)
- Flexural Strength 1,260 psi (ASTM C78)
- Tensile Strength925 psi (ASTM C190)
- Shear Bond Strength410 psi (ASTM C882)
- Absorption3.41% (MIL-PRF-3134)
- Permeability 670 coulombs (ASTM C1202)

Features/Benefits

- Superior Adhesion
- Low Permeability
- Interior & Exterior Use
- Fast-Setting
- Excellent Freeze/Thaw Resistance
- Low Absorption
- Unaffected by De-Icing Salts
- Expansion/Contraction Rates are the Same as Concrete
- Self-Curing
- For use with all Dex-O-Tex Flooring Systems and Waterproof Decking Systems

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Application Instructions

Concrete must be cleaned of all grease, paint or other foreign matter. Hammer out loose or spalled concrete. Vacuum surface or hose with water to remove excess dust.

Application — Up to 1/2 inch (12.7 mm) thickness

Mix together one gallon of A-81 Liquid with one 75 lb. (33.97 kg) bag of A-81 Powder. Mix with drill mixer, plaster mixer, or mortar box and hoe.

Prime concrete surfaces with a liberal brush coat of A-81 Liquid as it comes from the can. Dex-O-Tex A-81 Underlayment must be applied over wet prime coat. Re-apply prime coat if the first coat absorbs into the concrete rapidly.

Trowel A-81 Underlayment over primed surface to any thickness desired (see below for thicknesses greater than 1/2 inch/12.7 mm). Finish immediately after placing. Do not re-trowel once material begins to set up.

A one gallon, one bag mix will cover about 30 sq ft (2.78 sq m) in a 1/4 inch (6.35 mm) thickness. In "skim coating" thickness to smooth off slightly rough or rain-marked concrete, a one gallon, one bag mix will cover about 80 sq ft (7.43 sq m).

A one gallon, one bag mix produces about 0.7 cubic feet (0.019 cubic meters) of material.

Application — Exceeding 1/2 inch (12.7 mm) thickness

Mix together a standard unit described above and add up to 20 lbs (9 kg) of dry 3/8 inch pea gravel. Add a small amount of additional A-81 Liquid as necessary to permit trowelability. If desired, spray apply a small amount of A-81 Liquid on the surface to lubricate for easy trowel compaction.

A one gallon, one bag plus 20 lbs (9 kg) aggregate mix will cover approximately 19 sq ft (1.74 sq m) in a 1/2 inch (12.7 mm) thickness.

The above mix produces approximately 0.7 cubic feet (0.019 cubic meters) of material.

Precautions

- Minimum ambient and surface temperatures should be 45oF / 7oC and rising at time of application.
- If applying in hot sun or high winds, cover with damp burlap to minimize or prevent surface-checking.
- Typical set up time at 75^oF / 23.9^oC is 6-8 hours for foot traffic.
- Clean tools and equipment with water.

Limited Warranty

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN CROSSFIELD PRODUCTS CORP. INVOICE ARE MET.

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CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



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