



## DEXCELCRETE UNDERLAYMENT

### FIRE RETARDANT WALKING DECK & ROOF COVERING UNDERLAYMENT

#### 1. MANUFACTURER

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#### 2. PRODUCT DESCRIPTION:

**A. General:** The DEXCELCRETE Roof and Walking Deck Underlayment consists of a reinforced, acrylic polymer modified cement underlayment over which is installed polyurethane or acrylic coating systems for exterior roof top deck surfaces. The system is installed over plywood substrates which have a minimum ¼ inch per foot slope for water drainage. The system consists of galvanized expanded metal lath which is mechanically fastened to the deck over which is troweled an acrylic polymer reinforced underlayment mix of DEXCELCRETE.

**B. Preparation of Substrates:** The plywood substrates must be free of all contamination that would prevent proper installation of the system. The surface must be clean, dry, and free of any debris. Plywood should be minimum ¾-inch thick, tongue and groove exterior grade plywood having a maximum span of 16 inches between supports. All substrate joints shall be blocked with minimum 2 inch by 4-inch wood supports. All panel joint gaps shall be a nominal 1/16-inch wide. Larger joints between panels should be covered with a 4-inch strip of galvanized roof nails. All openings, parapets, walls, door and slider thresholds, post, scuppers and floor drains, fascia trim, stair treads and riser joints must be properly flashed and caulked. Substrate should be sloped to a minimum ¼ inch per foot or as required by code.

Note: When installing over copper flashings, contact UPI for technical assistance regarding additional preparation instructions.

#### 3. APPLICATION:

**A. Metal Lath:** Minimum 2.5 lb per square yard galvanized expanded metal lath (diamond lath) must be laid out over the entire plywood substrate with lath joints butted together and overlapping all metal flashing a minimum 1-1/2 inches. The lath is stapled to the substrate using minimum 16 gauge, 5/8 inch long, galvanized coated staples. Staple pattern to be a minimum 20 staples per square foot and minimum 12 staples per lineal foot at all overlaps and flashing. Use gravel stop flashing at open ends of deck with a 5/16" rise. Hammer down all staples and lath seams protruding above lath elevation.

**B. DEXCELCRETE:** This product is packaged in a two part pre-measured kit. Using a drill type power mixer, thoroughly blend the 50 pound bag of DEXCELCRETE dry mix with one to 1 ¼ gallons of DEXCELCRETE Liquid Polymer.

The mixture is then troweled over the entire metal lath at a thickness which covers all lath and staples, resulting in a smooth even finish. The DEXCELCRETE 50 pound mixture covers approximately 22-25 square feet at this thickness. Additional DEXCELCRETE may be applied to improve sloping. Temperature range for application and cure is a minimum of 55°F and maximum 90°F. DEXCELCRETE should not be applied before or during rain or extreme high humidity. The pot life is approximately one hour at 70°F and varies with temperature and

humidity. At 70°F, the DEXCELCRETE will dry within 12 to 24 hours, faster in direct sunlight and slower in shaded areas.

#### 4. PACKAGING:

Available as follows:

**Metal lath:** by the square foot in 3' x 8' sheets.  
DEXCELCRETE: 2-part kit consisting of 50 lbs. or dry mix and one to 1 ¼ gallons of liquid polymer. (Packaged in ones or fives).

#### 5. TECHNICAL ASSISTANCE:

UPI maintains a factory-based technical service department to consult on specific requirements. Information on independent regional sales representatives or distributors which may be available in your area can be obtained by contacting our technical service department at (800) 560-0230.

#### 6. LIMITED WARRANTY:

Urethane Polymers International, Inc. (UPI) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any UPI materials prove to contain manufacturing defects that substantially affect their performance, UPI will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by UPI with respect to its material. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. UPI specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of UPI's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the UPI material in question.

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