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RESEARCH REPORT: RR 2360
(CSI #07180)

Expires: July 1, 2016
Issued Date: July 1, 2014
Code: 2014 LABC

GENERAL APPROVAL - Renewal - Crossfield Products Corporation Surfacing Materials

1. Dex-O-Tex weatherwear as a Class A fire-retardant roof covering over wood, concrete and steel roof decks. For wood decks, Dex-O-Tex is applied over 3/4" exterior grade wood structural panel, or over 1/2" exterior grade wood structural panel over one inch sheathing.
2. Dex-O-Tex Décor Flor as floor covering in toilet rooms.
3. Dex-O-Cote and Dex-O-Cote WB and Wallcote E. Wallcote W, and Flex Glaze as finishes for walls and ceilings of food preparation and toilet rooms.
4. Dex-O-Tex Cheminert as floor covering in food establishments and toilet rooms.
5. Dex-O-Tex Neotex 261 as floor covering in food establishments and toilet rooms.
6. Dex-O-Tex Decorflor as floor covering in food establishments and toilet rooms.
7. Dex-O-Tex Kwik-Flor as floor covering in food preparation and toilet rooms provided approval is secured for each job from the County of Los Angeles Department of Health Services.
8. Dex-O-Tex Post-Tred as floor covering in food preparation area provided approval is secured for each job from the County of Los Angeles Department of Health Services.
9. Dex-O-Tex A-81 Underlayment is synthetic cementitious copolymer for smoothing or filling rough or porous substrates.

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10. Dex-O-Tex Neobond Fracture-Resistant Waterproof Membrane is a composite system consisting of a proprietary Neoprene rubber emulsion waterproofing membrane with a fabric reinforced cementitious protection layer.

Fire-Retardant Class A Roof Assembly is as follows:

1. Roof deck is wood structural panel installed with a maximum slope of ½ inch per horizontal foot. Wood structural panel joints are filled with joint treatment consisting of one part N-38 paste to three parts grout powder, mixed by weight. Total thickness is 9/32 inch minimum.
2. One layer of ConGlass, ConBase Type W1 asphalt-coated fiberglass base sheet is mechanically fastened to plywood. The sheets are 36 inches wide by 36 yards long, weigh 74.5 pounds/324 square feet and are lapped 2 inches each way. The sheets comply with ASTM D2178 as Type IV.
3. A mixture of one part Neobond II™ or Barrier Guard™ paste and three- fourths part powder by weight is mixed and trowelled to the base sheet. Coverage is 28 pounds per square.
4. Loose woven jute fabric, nominal 0.035 inch thick, weighing 7 ounces per square yard is embedded into the wed Neobond II™ mixture. The fabric is supplied in rolls 40 inches wide by 300 feet or 360 feet long and adjacent runs are lapped 2 inches each way. The combined dry thickness of Neobond II™ and fabric is 0.070 inch. This combination is allowed to reach a dry state (3 to 4 hours).
5. An additional application of Neobond II™ is used to fill voids in the jute fabric. The Neobond II™ is mixed as noted in Item 2 and is applied at a rate of 18 pounds per square, yielding a 0.025 inch dry thickness. The total Neobond II™ application is 46 pounds per square, or 0.0905 inch dry thickness.
6. After the Neobond II™ has cured to a dry state, (6 hours minimum), a mixture of one part N-38 paste and 5 parts Standard Neotex powder, by weight, is applied. Application is at a rate of 80 pounds per square, yielding a 0.090 inch dry thickness. After curing to a dry state (12 hours minimum), a second application is made at a rate of 52 pounds per square, yielding a 0.060 inch dry thickness. Total application is 132 pounds per square, for a 0.150 inch dry thickness.
7. After the Standard Neotex has cured to a dry state (12 hours minimum), a standard topping mixture, consisting of one part N-38 paste and two parts standard topping powder, by weight, is troweled on at a rate of 17.5 pounds per square, yielding a 0.015 inch dry thickness. After curing to a dry state (4 hours), a second application is made at a rate of 11.5 pounds per square, for a 0.010 inch dry thickness. Total application is 29 pounds per square, for a 0.025 inch dry thickness.

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8. After the standard topping mixture has cured to a dry state (4 hours), two coats of AJ-44A dressing are roller applied, yielding a total coverage of two squares per gallon, for a 0.005 inch dry thickness. The first coat must achieve a dry cure of 4 hours, prior to the application of the second coat.

Total thickness of items (excluding base sheet) 2 through 7 is 0.2660 inches.

Application of the surface materials shall be in conformance with the manufacturer's specifications. The minimum thickness of floor and roof Dex-O-Tex coverings is $\frac{3}{16}$ " except for Dex-O-Tex Decorflor ($\frac{3}{32}$ "), Kwik-Flor ($\frac{1}{4}$ ") and Posi-Tred (15 mils).

When applied over a wood floor, the substrate shall be minimum $\frac{3}{4}$ " wood structural panel nailed to joists spaced maximum 16" o.c. with annular ring shank or screw type nails. When applied over a roof deck, the substrate may be $\frac{3}{4}$ " wood structural panel or $\frac{1}{2}$ " wood structural panel over one inch sheathing. Wood structural panel joints are filled with joint treatment consisting of one part N-38 paste to three parts grout powder.

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DISCUSSION

The report is in compliance with 2014 Los Angeles Building Code.

Test data are on file with the Engineering Research Section.

Wallcote E, Wallcote W, and Flex Glaze is a wall covering for food establishments and for public rest room areas. It is a two component modified resin over wall of poured concrete, wood structural panel or steel. It has an ASTM E-84 flame spread of 15 and a smoke factor of 15. This material is acceptable to the Health Department. Its formula is on file with the Department.

Dex-O-Cote is a compounded vinyl resin which is trowel or spray applied as a finish coating.

Dex-O-Tex Neotex 261 is a latex mastic compound comprised of elastomers. These elastomers are blended with cementitious material and a 90% or above silica content aggregate.

Dex-O-Tex Decorflor is a two component resin matrix with mineral aggregates.

Dex-O-Tex Kwik-Flor is a ¼" thick monolithic flooring consisting of two component resinous system with aggregates and filler.

Dex-O-Tex Posi-Tred is a slip resistant two component resinous system with skid-resistant aggregates. The material is trowelled on. Thicknesses range from 15 to 52 mils. Slip resistance for handicap compliance shall be determined by the Disabled Access Section in accordance with MGD #80.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

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RR2360/MSWord2010
R06/20/14
4D5/4B/104.2.6