

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL  
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM



# LISTING SERVICE

LISTING No. 4175-1724:0100

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CATEGORY: 4175 -- ROOF COVERING (MISCELLANEOUS)

LISTEE: HYDRO-STOP LLC 1465 Pipefitter Street, N. Charleston, SC 29405  
Contact: John De Vito (925) 408-4404 Fax (925) 370-6566  
Email: jdv11@sbcglobal.net

DESIGN: Premiumcoat water based acrylic emulsion roof coating. Refer to listee's data sheets for additional detailed product description and operational considerations.

1. Steel deck, new construction - Minimum 1.3 in. (33 mm) thick Apache Pyrox insulation is secured to the deck using Olympic #12 screws and Standard Steel plates applied at 2 ft<sup>2</sup> (0.2 m<sup>2</sup>) maximum contributory area per fastener. Over the insulation, minimum 0.25 in. thick Dens Deck is adhered with rows of 3/4 to 1 in. (19 to 25mm) wide beads of Insta-Stick Roofing Adhesive spaced maximum 12 in. (305 mm) on center. PremiumCoat FoundationCoat is applied at 1.25 gal/sq (0.51 l/m<sup>2</sup>) at the insulation joints and 6 in. (152 mm) wide PremiumCoat Fabric is placed over the joints followed by a SaturationCoat applied at a minimum rate of 1.25 gallsq (0.51 l/m<sup>2</sup>). FoundationCoat is applied at a minimum rate of 1.25 gallsq (0.51 l/m<sup>2</sup>) followed by PremiumCoat Fabric laid into the FoundationCoat providing for 4 in. (102 mm) wide laps. The SaturationCoat is then applied at a minimum rate of 1.25 gal/sq (0.51 l/m<sup>2</sup>) and allowed to dry. PremiumCoat Finish Coat is applied in two equal coats at a minimum combined rate of 1.5 gal/sq (0.61 l/m<sup>2</sup>). The first coating of PremiumCoat Finish Coat must dry prior to applying the second coating.

2. Structural Concrete, new construction - Atlas AC Foam-II, Apache Pyrox, Johns Manville E"NRG"Y-2 or FMRC Approved EPS board is adhered to the deck with to 1 in. (19 to 25mm) wide beads of Insta-Stick Roofing Adhesive spaced maximum 12 in. (305 mm) on center. Over the insulation, minimum 0.25 in. thick Dens Deck is adhered with rows of % to 1 in. (19 to 25 mm) wide beads of Insta-Stick Roofing Adhesive spaced maximum 12 in. (305 mm) on center. PremiumCoat FoundationCoat is applied at 1.25 gal/sq (0.51 l/m<sup>2</sup>) at the insulation joints and 6 in. (152 mm) wide PremiumCoat Fabric is placed over the joints. FoundationCoat is applied at a minimum rate of 1.25 gal/sq (0.51 l/m<sup>2</sup>) followed by PremiumCoat Fabric laid into the foundation coat providing for 4 in. (102 mm) wide laps. The Saturation Coat is then applied at a minimum rate of 1.25 gal/sq (0.51 l/m<sup>2</sup>) and allowed to dry. PremiumCoat Finish Coat is applied in two equal coats at a minimum combined rate of 1.5 gal/sq (0.61 l/m<sup>2</sup>). The first coating of PremiumCoat Finish Coat must dry prior to applying the second coating.

3. Steel, Structural Concrete, recover construction - PremiumCoat FoundationCoat is applied at a minimum rate of 1.25 gal/sq (0.51 r/m<sup>2</sup>) followed by PremiumCoat Fabric laid

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*Fire Engineering Division*

into the foundation coat The SaturationCoat is then applied at a minimum rate of 1.25 gal/sq (0.51 l/m<sup>2</sup>) and allowed to dry PremiumCoat Finish Coat is applied in two equal coats at a minimum combined rate of 1.5 gal/sq (0.61 l/m<sup>2</sup>) The first coating of PremiumCoat Finish Coat must dry prior to applying the second coating.

4. Steel, Structural Concrete, recover construction PremiumCoat FoundationCoat is applied at a minimum rate of 1.25 gallsq (0.51 l/m<sup>2</sup> ) followed by PremiumCoat Fabric laid into the foundation coat. The SaturationCoat is then applied at a minimum rate of 1.25 gal/sq (0.51 l/m<sup>2</sup>).BarrierGuard Slurry is applied at 0.5 gal/sq (0.2 l/m<sup>2</sup>)and allowed to dry. PremiumCoat Finish Coat is applied in two equal coats at a minimum combined rate of 1.5 gal/sq (0.61 l/m<sup>2</sup>) The first coating of PremiumCoat Finish Coat must dry prior to applying the second coating. (Meets ASTM EI 08 Class A ratings at a maximum 3 in 12 roof slope and ASTM E108 Class B ratings at a maximum 5 in 12 roof slope)

5. Existing Approved Metal Panel Roofs - StableRust Primer is applied at a rate of 0.5 gal/sq (0.2 film') to existing FMRC Approved insulated or uninsulated metal panel roofs and allowed to dry. PremiumCoat Finish Coat is then applied in two equal coats at a combined rate of 1.5 gal/sq (0.61 l/m<sup>2</sup>) The first coating of PremiumCoat Finish Coat must dry prior to applying the second coating The minimum roof slope is 0.5 in 12.

6. Lightweight Insulating Concrete - Concrecel Concrete is placed over structural concrete. new or recover. BarrierGuard Slurry is applied to the lightweight concrete at rate of 0.5 gal/sq (0.2 l/m<sup>2</sup>) and allowed to dry. PremiumCoat FoundationCoat is applied at a minimum rate of 1.25 gal/sq (0.51 l/m<sup>2</sup>) followed by PremiumCoat Fabric laid into the foundation coat. The SaturationCoat is then applied at 1.25 gal/sq (0.51 l/m<sup>2</sup>) and allowed to dry. PremiumCoat Finish Coat is then applied in two equal coats at a combined rate of 1.5 gal/sq (0.61 l/m<sup>2</sup> ). The first coating of PremiumCoat Finish Coat must dry prior to applying the second coating.

- INSTALLATION:** In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.
- MARKING:** Listee's name, product identification and FM label.
- APPROVAL:** Listed as Class A and Class B roof covering coating material as described under "Design". Refer to FM Approvals Directories for details.

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