

VARIOUS INSULATION/COVERBOARD COMBINATIONS  
IN HOT ASPHALT AND HIGH VELOCITY INSULATION ADHESIVE II  
IN CONCRETE ROOF DECK CONSTRUCTIONS

Listing Information

**Construction #31:** Structural Concrete Deck, New primed with ASTM D-41 asphaltic primer at 1 gal/sq (0.4 L/m<sup>2</sup>). 1 Ply Sopralene 180 Sanded adhered with hot asphalt applied at 20 – 25 lb/sq. (1.0 – 1.2 kg/m<sup>2</sup>). Minimum 1.5 in (40 mm) thickness of H-Shield or AC Foam-II roof insulation maximum board size 4 ft. x 4 ft. (1.2 m x 1.2 m) adhered to the deck with hot asphalt applied at 20 – 25 lb/sq. (1.0 – 1.2 kg/m<sup>2</sup>). Sopraboard, minimum 1/8 in. (3 mm) thick, adhered to the insulation board with hot asphalt applied at 20 – 25 lb/sq. (1.0 – 1.2 kg/m<sup>2</sup>). Minimum 2 ply: base ply, ply, cap ply combination Approved for use with the top board is then adhered with hot asphalt applied at 20 – 25 lb/sq. (1.0 – 1.2 kg/m<sup>2</sup>). Meets wind uplift rating of Class 1-420.

**Construction #32:** Structural Concrete Deck, New. Minimum 1.5 in. (40 mm) thickness of AC Foam-II roof insulation maximum board size 4 ft. x 4 ft. (1.2 m x 1.2 m) adhered to the deck with High Velocity Insulation Adhesive II applied in 3/4 in. (19 mm) wide ribbons, 12 in. (304 mm) oc. Dens Deck Prime, minimum 1/4 in. (6 mm) thick, adhered to the insulation board with High Velocity Insulation Adhesive II applied in 3/4 in. (19 mm) wide ribbons, 12 in. (304 mm) oc. An Approved minimum 2 ply: base ply, ply, cap ply combination Approved for use with the top board is then adhered with FM Adhesive applied at 1.5 gal/sq (0.6 L/m<sup>2</sup>). Meets wind uplift rating of Class 1-195.

**Construction #33:** Structural Concrete Deck, New. Minimum 1.5 in. (40 mm) thickness of AC Foam-II roof insulation maximum board size 4 ft. x 4 ft. (1.2 m x 1.2 m) adhered to the deck with High Velocity Insulation Adhesive II applied in 3/4 in. (19 mm) wide ribbons, 12 in. (304 mm) oc. Dens Deck Prime, minimum 1/4 in. (6 mm) thick, adhered to the insulation board with High Velocity Insulation Adhesive II applied in 3/4 in. (19 mm) wide ribbons, 12 in. (304 mm) oc. An Approved minimum 2 ply: base ply, ply, cap ply combination Approved for use with the top board is then adhered with FM Adhesive (VOC) applied at 1.5 gal/sq (0.6 L/m<sup>2</sup>). Meets wind uplift rating of Class 1-270.