LISTING REPORT FOR CLASS A ROOF COVERING ASSEMBLY

WEDGE-IT CO.
6771 Warner Ave. #3749
Huntington Beach, CA 92605
(714) 903-1444
www.wedgeit.net

WEDGE-IT ASTM E108 CLASS A ROOFING ASSEMBLY

CSI Section:
07 22 00 Roof and Deck Insulation
07 32 00 Roof Tiles

1.0 SCOPE OF LISTING

1.1 Compliance with the following Standards:


1.2 Properties assessed:

- Fire Classification of Roof Assembly

2.0 FINDINGS

2.1 Product Information:

2.1.1 Wedge-It Insulation Board: Wedge-It insulation boards are cut to form tapered cross-sections tapering from a maximum of 2\(\frac{1}{2}\) inches (63.5 mm) thick to a minimum of 1\(\frac{1}{2}\) inches (38.1 mm) thick. Wedge-It insulation boards shall be nominally 10 inches to 12\(\frac{1}{2}\) (254 mm) wide by 48 inches (1219 mm) long. Wedge-It boards shall be cut from Insulfoam Expanded Polystyrene EPS boards complying with ASTM C578 as Types I, VIII, II or IX with nominal densities of 1.0 pcf (16.0 kg/m\(^3\)), 1.25 pcf (20.0 kg/m\(^3\)), 1.5 pcf (24.0 kg/m\(^3\)) and 2.0 pcf (32.0 kg/m\(^3\)) respectively, with a flame spread index of not more than 25 and a smoke-developed index of not more than 450 when tested in accordance with ASTM E84. The boards shall have a product listing by an approved agency.

2.1.2 Underlayment: Underlayment shall be minimum Type II, No. 30 asphalt felt, complying with ASTM D226.

2.1.3 Roof Tile: Roof tile shall be Type II, Medium Profile concrete roofing tiles complying with ASTM C1492 with a nominal length of 17 inches (432 mm), width of 12\(\frac{1}{2}\) inches (318 mm) and weight of 10 pounds (4.5 kg) per tile. Roof tiles shall be supported over nominal 2x2 inch wood battens spaced to support the roof tiles.

2.2 Class A Roof Assembly: The assembly described in Section 3.0 of this report complies as a Class A roof assembly when tested in accordance with ASTM E108.

3.0 DESIGN AND INSTALLATION

The Class A roof assembly shall consist of Low-Profile concrete roofing tiles as described in Section 2.1.3 of this report supported over nominal 2x2 inch wood battens. Wedge-It insulation boards as described in Section 2.1.1 of this report shall be installed between the wood battens with a \(\frac{1}{2}\) inch (12.7 mm) gap between Wedge-It boards. Roof tile shall be installed and attached in accordance with the roof tile manufacturer’s current and approved evaluation report. The assembly shall be supported by minimum nominal \(\frac{1}{2}\) inch thick (12.7 mm) plywood sheathing complying with the building code. Underlayment as described in Section 2.1.2 of this report shall be installed over the plywood sheathing.

4.0 IDENTIFICATION

Packages of Wedge-It EPS insulation boards shall be identified by the Wedge-It Co. name, product name, manufacturing address and listing report number (UEL-5016). The identification may also include either of the IAPMO Uniform Evaluation Service Marks of Conformity, as shown below:

For additional information about this evaluation report please visit www.uniform-es.org or email us at info@uniform-es.org