



## **Standard Specification for Sol-R-Eclipse/ Eshield Reflective Insulation Fiberglass Insulation and Vapor Retarder Materials**

### **Foil/Foil**

The reflective insulation provided by International Insulation Products or equal and shall consist of a .25 inch fiber glass insulation bonded on one side with a Foil Scrim vapor retarder and a 99% high polished aluminum foil on the other side. The product is tested in accordance with ASTM E 96 (Desiccant Method), “Standard Test Methods for Water Vapor Transmission of Materials” and comes in both a vapor barrier version .02 perms or a non vapor barrier version 13.7 perms

System R Values have been tested in accordance with ASTM C 1363/ C1224 Air to Air, and achieve a Downward R value of R12.82. Upward R value of R 9.24 and a horizontal R value of R10.60 with a 30 degree temperature difference.

The composite product shall have a fire hazard classification of 25 or less ( flame spread index ) and 50 ( smoke develop) index( FHC 25/50) when tested in accordance with ASTM E 84. Testing was conducted without the use of additional support to benefit the tests samples. The product was also tested and passed the UL1715 /UBC 26-3 ( Full Scale Room Burn Test)

### **Foil/ White**

The Reflective insulation provided by International Insulation Products or equal and shall consist of a .25 inch fiber glass insulation bonded on one side with a Polypropylene Scrim vapor retarder and a 99% high polished aluminum foil on the other side. The product is tested in accordance with ASTM E 96 (Desiccant Method), “Standard Test Method for Water Vapor Transmissions of Materials”. This version is available only in a vapor barrier version of .09 perm

System R Values have been tested in accordance with ASTM C 1363/ C1224 Air to Air, and achieve a Downward R value of R10.70. Upward R value of R 8.56 and a horizontal R value of R 9.45 with a 30 degree temperature difference.

The composite product shall have a fire hazard classification of 25 or less( flame spread index) and 50 ( smoke develop) index ( FHC 25/50) when tested in accordance with ASTM E 84. Testing is conducted with the use of additional support to benefit the test samples. The product was also tested and passed the UL 1715 / UBC 26-3 ( Full Scale Room Burn Test)Sol

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