Sol-R-Eclipse™ Specifications Sheet

Sol-R-Eclipse™ insulation greatly increases comfort in residential and commerical applications by reducing radiant heat gain. Able to stop more than 97-percent of radiant heat, Sol-R-Eclipse™ multilayer reflective foil insulation is an exceptionally efficient and innovative solution to thermal insulation needs. Sol-R-Eclipse™ is a 3 layer composite compromised of a perforated foil facing, a Microlite fiberglass core and reflective foil facing.

Fiberglass Insulation and Vapor Retarder Materials

Foil/Foil

The reflective insulation provided be 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 (Dessicant Method), “Standard Test Methods for Water Vapor Transmission of Materials”.

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 be International Insulation Products pr 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”

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)