



Standard Specification for Solarguard Reflective Insulation

Fiberglass Insulation and Vapor Retarder Materials

For a White Interior Surface:

The insulation provided by Solarguard™ by GBP/Silvercote, Inc. or equal and shall consist of a .25 inch thick flexible fiber glass insulation laminated on one side with a Polypropylene Scrim Kraft vapor retarder, and a 99% pure layer of aluminum foil on the other. The permeance rating shall not exceed .09 for the PSK and shall not exceed .02 for the aluminum foil, when tested in accordance with ASTM E 96 (Dessicant Method), "Standard Test Methods for Water Vapor Transmission of Materials".

System R Values shall be R=10.3 or greater in a Heat Flow Down configuration; R=7.6 or greater in a Heat Flow Up configuration; R=8.7 or greater in a Heat Flow Horizontal configuration, when tested as per ASTM C976/C1363, Air to Air, with a 30 degree Fahrenheit temperature differential.

The composite product shall have a fire hazard classification of 25 (maximum) flame spread index, and 50 (maximum) smoke developed index (FHC 25/50) when tested in accordance with ASTM E 84. Test results are to be achieved without the use of additional support beneath the tested sample. The product shall pass the UL1715/UBC 26-3 "Full Scale Corner Wall Fire" test and shall meet all requirements for reflective insulations as required by the 2000 International Building Code (IBC).

For a Silver Interior Surface:

The insulation provided by Solarguard™ by GBP/Silvercote, Inc. or equal and shall consist of a .25 inch thick flexible fiber glass insulation laminated on one side with a Foil Scrim Kraft vapor retarder, and a 99% pure layer of aluminum foil on the other. The permeance rating shall not exceed .02 for the FSK and shall not exceed .02 for the aluminum foil, when tested in accordance with ASTM E 96 (Dessicant Method), "Standard Test Methods for Water Vapor Transmission of Materials".

System R Values shall be R=11.6 or greater in a Heat Flow Down configuration; R=8.3 or greater in a Heat Flow Up configuration; R=9.0 or greater in a Heat Flow Horizontal configuration, when tested as per ASTM C976/C1363, Air to Air, with a 30 degree Fahrenheit temperature differential.

The composite product shall have a fire hazard classification of 25 (maximum) flame spread index, and 50 (maximum) smoke developed index (FHC 25/50) when tested in accordance with ASTM E 84. Test results are to be achieved without the use of additional support beneath the tested sample. The product shall pass the UL1715/UBC 26-3 "Full Scale Corner Wall Fire" test and shall meet all requirements for reflective insulations as required by the 2000 International Building Code (IBC).