

RADIANT HEAT REFLECTION

SOL-R-WALL Insulation is a perfect extension of our full line of formaldehyde-free insulation. When installed in a concrete or masonry wall, reflective foil insulation provides resistance to solar heat gain in hot, sunny climates. Which means homeowners save on cooling costs in the summer.

HOW DOES IT WORK?

The secret is in the pleats. When SOL-R-WALL Insulation is properly installed, the reflectivity and low emissivity of the aluminum facing help block radiant energy so overall heat transfer is reduced. The specially engineered pleats expand to form air pockets between the layers of paper and aluminum. These spaces restrict air movement, thereby reducing convection and thwarting heat transfer.

PRODUCT DESCRIPTION

SOL-R-WALL Insulation has an inside layer made of aluminum foil. The outer layer is natural kraft paper. When installed on 1" x 2" furring strips spaced 16" to 24" on center, a second reflective air space is formed.

PACKAGING

SOL-R-WALL Insulation is packaged in lightweight rolls for easy carrying.

GENERAL NOTES

For additional installation information, please see ASTM C-727, "Standard Practice for Installation and use of SOL-R-WALL Insulation in Building Constructions".

SHORT FORM SPECIFICATIONS

All insulation shown on drawings or specified herein shall be "SOL-R-WALL Insulation".

LIMITATIONS OF USE

Check applicable building codes.

APPLICATIONS

SOL-R-WALL Insulation provides remarkable radiant-heat resistance for furred-out concrete or masonry walls in new construction or retrofitted homes. It can also be used as a radiant heat deflector for attic floors.

SOL-R-WALL Insulation complies with Florida Building Code requirements for concealed applications.

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of SOL-R-WALL Insulation listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame-spread or smoke-developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the sales office nearest you for current information.

TEST DATA

SPECIFICATION COMPLIANCE

ASTM C 1224
(Standard specification for Reflective Insulation)

R-VALUE hr.ft. °F/Btu

RESULT 4.1 (3/4") 16 o.c.

FACILITY JMTC

TEST REPORT 436-04591

RESULT 4.0 (3/4") 24 o.c.

FACILITY JMTC

TEST REPORT 436-04898

FURRING / STUD SPACING

RESULT 16" O.C. / 24" O.C.

ASTM C 1371 Surface Emittance

RESULT 0.04

FACILITY JMTC

TEST REPORT T15-036

ASTM E 96 Water Vapor Permeance

RESULT >10

FACILITY JMTC

TEST REPORT P-03-174

ASTM E 84 Flame Spread (Foil Side)

RESULT 0

FACILITY JMTC

TEST REPORT F-15-032

ASTM E 84 Smoke Development (Foil Side)

RESULT 25

RATING Class A

FACILITY JMTC

TEST REPORT F-15-032

ASTM E 84 Flame Spread (Kraft Side)

RESULT 0

RATING Class A

FACILITY JMTC

TEST REPORT F-15-032

ASTM E 84 Smoke Development (Kraft Side)

RESULT 60

RATING Class A

FACILITY JMTC

TEST REPORT F-15-032

ASTM C 1338 Mold & Fungi Resistance

RESULT PASS

FACILITY Microlab

TEST REPORT 63569

ASTM C 1224 Section 9.5

Adhesive Performance

RESULTS BLEEDING NONE

FACILITY JMTC

CODES & COMPLIANCE

MEETS ASTM C 1224

- 2014 & 2012 Florida Building Code (FBC)
- 2014 & 2012 Florida Residential Code (FRC)
- 2014 & 2012 Florida Energy Conservation Code (FECC)
- 2012 International Building Code (IBC)

PERFORMANCE ADVANTAGES

- **Thermal Efficiency**
Proper installation provides effective resistance to heat transfer with a minimum R Value of 4.0.
- **Fits Standard Width Cavities**
Width expanded construction allows a perfect fit for furred-out walls 16" to 24" as well as irregularly sized wall cavities.
- **Durable**
Micro-perforations allow the product to breathe and resist moisture build-up.
- **Non-Corrosive**
Does not accelerate corrosion of pipes, wiring or metal studs.



Atlanta Offices

4938 South Atlanta Rd
Smyrna, GA 30080
770-641-6310

Orlando Offices

7101 Presidents Drive Suite 300
Orlando, FL 32809
407-286-4624

INFO@IIPRODUCTS.COM