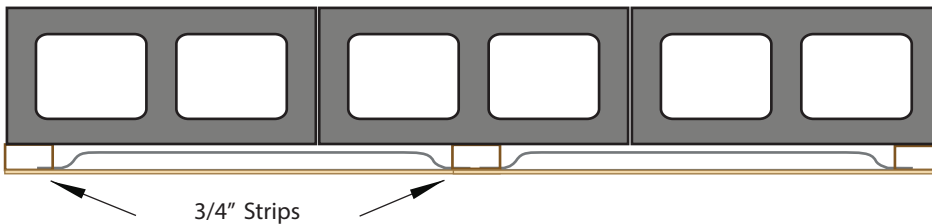




Fi-Foil AA2 Vapor Shield™ is a reflective insulation intended for use on furred-out masonry walls. The inside layer is aluminum foil. The outer layer is natural Kraft paper coated with polyethylene, laminated to flange boards or expanders that separate paper from foil creating a reflective air space. When installed on furring strips spaced 16" or 24" on center, a second reflective air space is formed. This air space is dependent upon the thickness of the furring strip selected. The Hi-Perm version includes small perforations for applications not requiring a vapor retarder. Available in both staple tab (for wood furring) and tape tab (for metal framing).



Product Information		
Furring/Stud	16" O.C.	24" O.C.
Width Expanded	17.5"	25.5"
Diameter	10"	8"
Lineal Footage	375'	250'
Coverage	500 sq. ft.	500 sq. ft.
Weight	21 lbs.	19 lbs.

Definition of Reflective Insulation

Reflective insulation is used to reduce the transport of energy across air spaces in a building envelope and consists of one or more low emittance surfaces (0.10 or less), bounding one or more enclosed air spaces. Reflective insulation can also use other layers of materials such as paper or plastic to form enclosed air spaces as part of the system. The performance of the reflective insulation system is determined by the emittance of the material(s), the lower the better, and the size of the enclosed air spaces. The smaller the enclosed air space, the less heat will transfer by convection. Reflective insulation is recognized by ASTM, The Federal Trade Commission and Code Bodies as an accepted insulation technology. R-values can be both tested or calculated using established ASTM standards.

R Values		
Heat Flow Horizontal		
	Solid	Perforated
3/4" Cavity	R 4.2	R 4.1
7/8" Cavity	R 4.7	R 4.6
1-1/2" - 1-5/8" Cavity	R 5.2	R 5.1

The R Values are in accordance with ASTM C1224. The R values of AA2 Vapor Shield increase with the thickness of the cavity or furring strips.

Test Data

Product Version	Solid	Perforated
ASTM E 96 Water Vapor Permeance	1.0	5.0
ASTM E 84 -11 in accordance with ASTM E2599 Flammability		
Flame Spread Rating	45	45
Smoke Developed Rating	10	10
National Fire Protection Association Rating	Class B	Class B
ASTM D 3310 Corrosivity	None	
ASTM C 1224/Section 9 Adhesive Performance		
Bleeding	None	
Delamination	None	
Pliability	No signs of cracking or delamination	
ASTM C 1338 Mold & Mildew	Pass	
ASTM C 1371 Foil Emittance	0.03	

Compliance and Approvals

- Meets: ASTM C1224
 - Compliance with the following code *
 - 2015, 2012, 2009, 2006 International Building Code (IBC)
 - 2015, 2012, 2009, 2006 International Residential Code (IRC)
 - 2015, 2012, 2009, 2006 International Energy Conservation Code (IECC)
 - 2017, 2014 Florida Building Code (FBC)
 - 2017, 2014 Florida Residential Code (FRC)
 - 2017, 2014 Florida Energy Conservation Code (FECC)
 - Evaluated in accordance with *
 - ICC-ES AC 02 - Acceptance Criteria for Reflective Insulation, revised March 2017
 - State of California Bureau of Home Furnishings and Thermal Insulation License #T1390, Registry #CA-T390 FL
- * See IAMPO-ES Report #0291

Read This Before You Buy

The label shows the R-value of the insulation. R means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy. There are other factors to consider. The amount of insulation you need depends mainly on the climate you live in. Also, your fuel savings from insulation will depend on the climate, the type and size of your house, and your fuel use patterns and family size. If you buy too much insulation, it will cost you more than what you will save on fuel. To get the marked R-value, it is essential that this insulation be installed properly.

Verified Recycled Content >20%		
AA2 Width	16"	24"
Pre-Consumer	5.6	6.5
Post-Consumer	44.8	39.2
Total	50.4	45.7