SOLARGUARD REFLECTIVE INSULATION SPEC SHEET AND TEST RESULTS

PROPERTIES	TESTED VALUE	UNIT	METRIC
Thickness	0.25"	Inches	6,35 mm
Weight	3 to 46	Lbs	1,361 - 20,865 kg
Emissivity	0.03-0.04	Coefficient	0,03-0,04
Reflectivity	97	%	97
Water Vapor Transmission	0.02	Perms	0,02
Corrosion	Do	esn't Generate	
PROPERTIES	IESI METHOD	VALUES	VALUES
Thermal Resistance:		*11	
		"Heat Flow Down = R 10.3	"Heat Flow Down = RSI 1,81 Heat Flow Lip = RSI 1,22
White :	ASTM C1363/ C976	Heat Flow Horizontal – $R = R = 7.0$	Heat Flow Horizontal – RSI 1.53
Winte .	A0110101000/0010	***Heat Flow Down = R 11.6	***Heat Flow Down = RSI 2.04
		Heat Flow Up = $R 8.3$	Heat Flow Up = RSI 1,46
Silver RFSK:	ASTM C1363/ C976	Heat Flow Horizontal = R 9.0	Heat Flow Horizontal = RSI 4,58
Masonry Wall (foil/foil)			
1x2 Wood 16" oc.	ASTM C1363/ C976	Heat Flow Horizontal = R 5.83	Heat Flow Horizontal = RSI 1,03
1x2 Wood 24" oc.	ASTM C1363/ C976	Heat Flow Horizontal = R 6.14	Heat Flow Horizontal = RSI 1,08
2x2 Wood 16" oc.	ASTM C1363/ C976	Heat Flow Horizontal = R 6.56	Heat Flow Horizontal = RSI 1,15
7/8" Metal Hat Channel 16"			
OC.	ASTM C1363/ C976	Heat Flow Horizontal = R 5.44	Heat Flow Horizontal = RSU 0,96
Residential Foil/Foil + R19			
Batt Insulation: Cathedral	ASTM C1262/ C076	Hoot Flow Down - P 22 82	Heat Flow Down - BSI 4 10
Residential Foil/Foil: Floor	ASTNIC1303/ C970	Heat Flow Dowll = R 23.82	Heat Flow Down = RSI 4, 19
Joist & Crawl Space		Heat Flow Down = R 14 80	Heat Flow Down = RSI 2 60 Heat
Application	ASTM C1363/ C976	Heat Flow Up = $R 9.21$	Flow Up = RSI 1,62
Residential Foil/Foil + R13		•	• · · ·
Batt Insulation: Kneewall			
Application	ASTM C1363/ C976	Heat Flow Horizontal = R 9.0	Heat Flow Horizontal = RSI 1,58
Residential Foil/Foil: Attic	AOTH 04000/0070		
Application	ASTM C1363/ C976	Heat Flow Down = R 11.6	Heat Flow Down = RSI 2,04
Flame Spread:		25	25
Silver BESK		23	23
Besidential Foil:	ASTM E -84	5	5
Smoke Developed:	AGTIME -04	5	5
White ·	ASTM F -84	25	25
Silver RFSK	ASTM E -84	0	0
Residential Foil:	ASTM E -84	15	15
Full Scale Corner Wall			
White:	UL 1715/UBC 26-3	PASS	PASS
Silver RFSK	UL 1715/UBC 26-3	PASS	PASS
Residential Foil:	UL 1715/UBC 26-3	PASS	PASS
(*) System R-Values per ASTM C976/C1363, Air to Air with a 30 degree			
Fahrenheit temperature differential. These tests were conducted using			
a Calibrated Hot Box apparatus at the Johns Manville Technical			
Center, Littleton, CO. The reflec			
Tibergiass insulation with foil facing on one side and a white scrim reinforced			
nacing on the other side. The test sample was installed in			

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the middle of a 2 x 4 wood stud				
with 3/4" thick plywood on each				
degree F/BTU.				
(**) System R-Values per ASTM				
Fahrenheit temperature differen				
a Calibrated Hot Box apparatus				
Center, Littleton, CO. The reflec				
fiberglass insulation with foil fac				
facing on the other side. A meta				
was used. The test sample was				
60" on center with a corrugated				
down 12" on center. Also there v				
thermal blocks between the purl				
in hr-sq. ftdegree F/BTU.				
(***) System R-Values per AST				
Fahrenheit temperature differential. These tests were conducted using				
a Calibrated Hot Box apparatus at the Johns Manville Technical				
Center, Littleton, CO. The reflec				
fiberglass insulation with foil fac				
scrim facing on the other side. The test sample was installed in the				
middle of a 2 x 4 wood stud cavity, the wood framing was 16" o.c.				
with 3/4" thick plywood on each side. All R-Values are in hr-sq. ft				
degree F/BTU.				