



Class A Thermal Underlayment R-5.5 SPECIFICATIONS SHEET

Foil/Fiberglass/HDPE

Component Composition		
Foil	Aluminium	.0015 inch
Reinforcement	Bi-directional 75/0 fiberglass	4/inch MD 4/inch XD
Fiberglass	Fiberglass Matte	
HDPE	High Density Polyethelyne	8X8 HDPE
Property	Standard	Result
Breaking Strength	ASTM D226/D226M-17	Pass
MD (lbf)	ASTM D226/D226M-17 Type I & II	Avg. 83.89 - Pass
CMD (lbf)	ASTM D226/D226M-17 Type I & II	Avg. 82.09 - Pass
Pliability MD	ASTM D226/D226M-17	No Rupture - Pass
Pliability CMD	ASTM D226/D226M-17	No Rupture - Pass
Unrolling Procedure	ASTM D5147/D5147M-17	Pass
Tear Test	ASTM 1570/D4073-06	Avg. 150 lbs. - Pass
Mullen Burst	ASTM D774	130 psi
Tensile Strength	ASTM C1136	65 lbs/in width (MD)
Tensile Strength	ASTM C1136	65 lbs/in width (XD)
Flame Spread	ASTM E 84	Pass Class A
Smoke Developed	ASMT E 84	Pass Class 1
Fire Rating	ASTM E 108 Metal Shingle to Baten System	Pass Class A
Fire Rating	ASTM E 108 Metal Shingle Direct to Deck System	Pass Class A
R-Value	ASTM C1363/1224 Thermal Test	R - 5.5
Emmissivity	ASTM E 1371	0.05 or less
Water Immersion	48 hours @ 73°F	No Delamination
Permeance (WVTM)	ASTM E96 Procedure A	0.0 Perm

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