



# Composite Underlayment SPECIFICATIONS SHEET

## Foil/HDPE

<b>Component Composition</b>		
Foil	Aluminium	.0003 inch
Reinforcement	Bi-directional 75/0 fiberglass	4/inch MD
		4/inch XD
Film	Metalized Polyester	.00048 inch
Film	Heat Seal Co-Polymer	.001 inch
HDPE	High Density Polyethylene	8X8 HDPE
Property	Standard	Result
Breaking Strength	ASTM D226/D226M-17	Pass
MD (lbf)	ASTM D226/D226M-17 Type I & II	Avg. 83.84 - Pass
CMD (lbf)	ASTM D226/D226M-17 Type I & II	Avg. 61.85 - 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. 121 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
Emissivity	ASTM 1371	.05 or less
Water Immersion	48 hours @ 73°F	No Delamination
Permeance (WVTM)	ASTM E96 Procedure A	0.0 Perm



**INTERNATIONAL**  
*Insulation Products, LLC*

International Insulation Products  
4938 South Atlanta Road  
Suite 700  
Atlanta, GA 30339  
[www.iiproducts.com](http://www.iiproducts.com)  
(404) 809-3339