

CHROME GPS

PROFESSIONAL GRADE GRAPHITE INSULATION

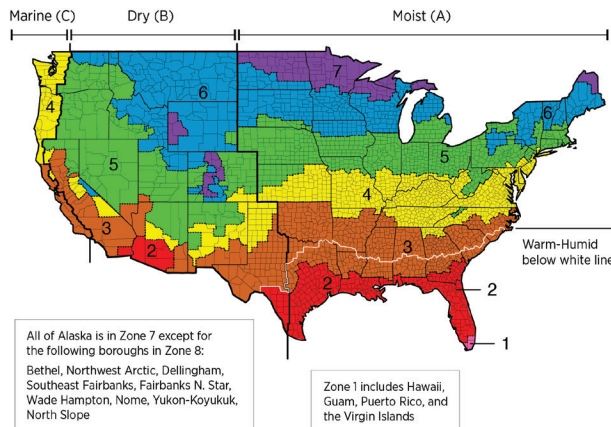
TECHNICAL DATA SHEET

GPS Test Results per ASTM C578				
Property	Units	Type VIII	Type IX	Standard
Density (U.S) Minimum Requirements	lbs/ft ³	1.15	1.8	ASTM D1622
Thermal Resistance of 1" thick Subterra	F x ft ² x h/Btu 75°± 2° F, 40°± 2° F	5.0, 5.2	5.0, 5.3	Exceeds ASTM C578 Minimum requirements
Compressive Resistance at yield of 10% deformation	psi	14	25	ASTM D1621
Water Vapor Permeance	perms	3.5	2.5	ASTM E96
Water Absorption by Total Immersion	Volume %	1.1	1.1	ASTM C272
Flexural Strength	psi	30	50	ASTM C203
Dimensional Stability (Change in Dimensions)	%Change	2.0	2.0	ASTM D2126
Surface Burning Characteristics *	Flame Spread Smoke Development	< 5 < 25	< 5 < 25	ASTM E84
Chemical Resistance BASF TI 120 Resistance to chemicals	Insensitive to water, the majority of acids and alkalis; sensitive to organic solvents.			
Biological Behavior	No harmful effects on health known			

*ASTM E-84 not required of ASTM C578

Product	Standard Thickness ¹	Standard Dimensions	R-Value ²	Compressive Strength
Chrome GPS 15 ²	1 1/16", 2 1/8"	4' x 8'	R5, R10	14 psi
Chrome GPS 25 ²	1 1/16", 2 1/8"	4' x 8'	R5, R10	25 psi

¹ Board thickness (+/- 1/16")
² R-Value is R5 per nominal Inch (1 1/16")
 Custom sizes are available.
 Upon request, Unfaced GPS foam Products are available with a termite preventative additive.



Climate Zone	2009 IECC	2012 IECC	2015 IECC
1	13	13	13
2	13	13	13
3	13	20 or 13+5	20 or 13+5
4	13	20 or 13+5	20 or 13+5
4+5	20 or 13+5	20 or 13+5	20 or 13+5
6	20 or 13+5	20+5 or 13+10	20+5 or 13+10
7+8	21	20+5 or 13+10	20+5 or 13+10

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