

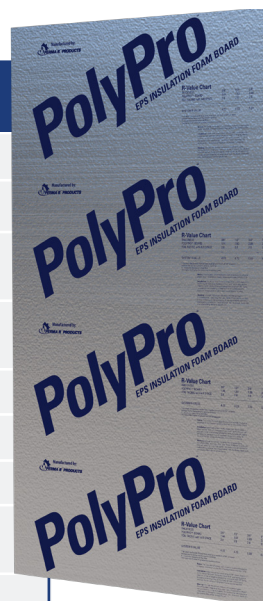
POLYPRO™ EPS FOAM

WE'VE GOT YOU COVERED.

TECHNICAL DATA SHEET

EPS Test Results per ASTM C578

Property	Units	Type I	Standard
Density (U.S.) Minimal Requirements	lbs/ft	1.0	ASTM D1622 or C303
Thermal Resistance 1" thick PolyPro	$F \times ft^2 \times h/Btu \ 75^\circ \pm 2^\circ F$ $F \times ft^2 \times h/Btu \ @ \ 40^\circ \pm 2^\circ F$	3.85	Exceeds ASTM C518 Minimum Requirements
Compressive Resistance at yield of 10% deformation	psi	11.38	ASTM D1621 or C165
Water Vapor Permeance	1", 1 perm	3.4	ASTM E96
Water Absorption by Total Immersion	Volume %	2.1	ASTM C272
Flexural Strength	psi	25.8	ASTM C203
Dimensional Stability (Change in Dimensions)	% Change	.4	ASTM D2126
Surface Burning Characteristics	Flame Spread Smoke Development	30 450	ASTM E84 or UL 723
Chemical Resistance	Insensitive to water, the majority of acids and alkalis; sensitive to organic solvents.		
Biological Behavior	No harmful effects on health known.		



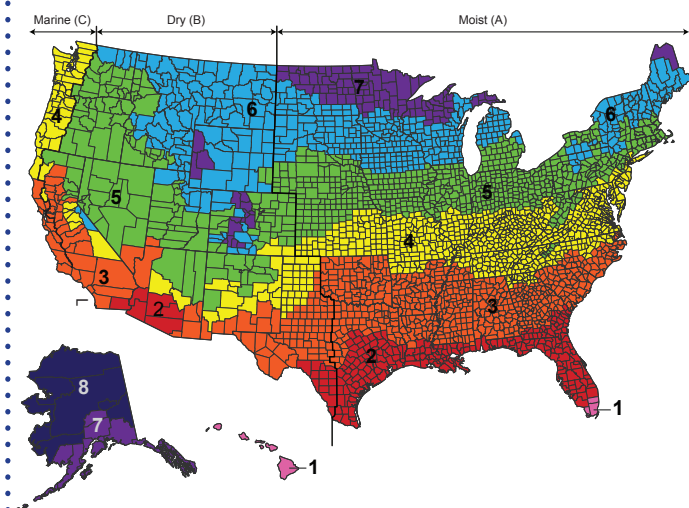
* ASTM E-84 not required of ASTM C578

** Not included in ASTM

Insulation requirements as defined by the 2021 IECC

U.S. Department of Energy Section R402

Table R402.1.2



Climate Zone	Wood Frame Wall R-Value
1	13
2	13
3	20 or 13 + 5 ^a
4 except Marine	30 or 20 + 5 ^a
5 and Marine 4	30 or 20 + 5 ^a
6	30 or 20 + 5 ^a
7 and 8	30 or 20 + 5 ^a

a. First value is cavity insulation, second is continuous insulation, so "13+5" means R-13 cavity insulation plus R-5 continuous insulation.

Standard Thickness	Standard Dimensions	R-Value
1/2"	4' x 8'	R1.93
3/4"	4' x 8'	R2.89
1"	4' x 8'	R3.85
2"	4' x 8'	R7.7

Laminated with poly/poly or poly/metal facers. Also available unfaced. Laminated facers are perforated unless requested unperforated. Custom sizes are available. Upon request, PolyPro Products are available with a termite preventative additive. The reflective facer can provide some reflective benefits when a gap is provided between PolyPro and the cladding.

DISCLAIMER: The information presented herein has been compiled from sources considered to be accurate and reliable but is not guaranteed to be so. In practice, the differences in materials, substrates, storage conditions, actual site conditions and other factors outside of Perma "R" Products' control are such that Perma "R" Products assumes no liability, nor makes any warranty, express or implied for such information, recommendations or instructions related to its products. It is the user's responsibility to determine the suitability of any material for specific purposes and to adopt such safety precautions as may be necessary.

LEED is an internationally recognized green building certification system.

WARNING: Although this product contains a retardant agent, it is combustible. Keep away from open flame. If exposed to sufficient heat intensity, it may burn. It should not be left exposed or inadequately protected for long periods of time. As always, check with your local building official for specific use.

NOTICE: This insulation sheathing board meets or exceeds the physical properties of American Society of Testing Methods (ASTM) C578.



INSTALLATION: Install over exterior studs using plastic capped staple, 1" plastic cap nail fasteners or roofing nails. Fasteners must be 8" apart along vertical edge & center of sheathing penetrating the stud at least 3/4". Taping the seams of the sheathing will help keep air from infiltrating the structure. Do not use as a nailing base. Corner bracing is required. See install guide for more information.

permarproducts.com | 800-647-6130 | 2604 Sunset Drive | Grenada, MS 38901

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