



BARRICADE®

THERMO-PRO™
EPS



EPS FOAM INSULATION

Thermo-Pro™ sheathing for exterior wall applications is a rigid insulation consisting of high-performance closed cell Expanded Polystyrene (EPS). Our insulation is available with factory laminated metallic reflective facer, clear facer on the back. Our laminates are micro-perforated to reduce moisture buildup in the wall. Thermo-Pro™ has a stable R-Value that will not decrease over the life of the product. Thermo-Pro™ insulation does not contain any ozone depleting HCFCs or formaldehyde, and the foam core is 100% recyclable. As an added bonus, Thermo-Pro™ will not promote the growth of mold or mildew.

WHY YOU NEED IT

Increased R-Value

The reflective facer can provide some reflective benefits when a gap is provided between Thermo-Pro and the cladding.

Termite Treated

As an added feature Thermo-Pro™ can be treated with Preventol® insecticide, an environmentally safe additive. Termites can tunnel through and ingest foam in their search for a food source. Thermo-Pro™ with Preventol® kills these termites and provides a secondary line of defense to standard termite treatments. Ask for Thermo-Pro™ if you live in a high termite infestation zone.



Contributes to LEED Points



Environmentally Friendly



Stable R-Values



Termite Treatment



Contains no Formaldehyde



Contains no HCFCs



100% Recyclable

Thermo-Pro is available in a wide range of sizes and thicknesses.

TECHNICAL DATA SHEET

EPS Test Results per ASTM C578

Property	Units	Type I	Standard
Density (U.S) Minimum Requirements	lbs/ft	1.0	ASTM D1622 or C303
Thermal Resistance of 1" thick Thermo-Pro	F x ft ² x h/Btu 75° ±2°F F x ft ² x h/Btu @ 40° ±2°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", 1perm	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	0.4	ASTM D2126
Surface Burning Characteristics	Flame Spread Smoke Development	30 450	ASTM E84 or UL 723
Biological Behavior	No harmful effects on health known		

*ASTM E-84 not required of ASTM C578

** Not included in ASTM

Product	Standard Thickness	Standard Dimensions	R-Value
Thermo-Pro	$\frac{1}{2}$ ", $\frac{3}{4}$ ", 1", 2"	4' x 8'	R1.93, R2.89, R3.85, 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, Thermo-Pro Products are available with a termite preventive additive. The reflective facer can provide some reflective benefits when a gap is provided between Thermo-Pro and the cladding.

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.

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.

Preventol® is a registered trademark of LANXESS.
LEED is an internationally recognized green building certification system.



Find more information at:
barricadebp.com
1-877-832-0333