



cellofoam®

# FAN-FOLD

Cellofoam's FAN-FOLD is cut in vertical 25" increments along its 4' X 50' expanse allowing the panels to lie flat. FAN-FOLD provides a smooth resilient underlayment which eliminates the potential for "oil canning" or "telescoping".

FAN-FOLD is made of Cellofoam Expanded Polystyrene (EPS) rigid insulation, faced with a tough poly laminate (one opaque, one reflective metallic) on both sides. Standard thicknesses are 1/4", 3/8" and 1/2". Standard densities are 1# and 1.25#.



Because FAN-FOLD is made of millions of closed cells of expanded polystyrene, it has an excellent resistance to heat transfer. Not a vapor barrier.

When FAN-FOLD is properly installed it doesn't deteriorate with age, is resistant to mildew, rot, fungus, bacteria, and doesn't require maintenance. The tough facings resist abuse during construction and prior to the installation of siding materials.

- Lightweight
- Easy to Install
- Abuse Resistant
- Shrink Wrapped 2 Squares Per Bundle
- Priced Lower Than Extruded

P.O. Box 406  
Conyers, GA 30012  
800-241-3634 FAX 770-929-3608  
[www.cellofoam.com](http://www.cellofoam.com)

# POLYSHIELD® FANFOLD (1.0# density)

Available in 1/4", 3/8", 1/2" thickness; 4'x50' W&L

Thermal Resistance @40F 4.17/inch + 0.075 RF (1/4" = 1.12, 3/8" = 1.64, 1/2" = 2.20)  
 Values (R) @75F 3.85/inch + 0.075 RF (1/4" = 1.04, 3/8" = 1.52, 1/2" = 2.00)

PHYSICAL PROPERTIES OF CELLOFOAM® EXPANDED POLYSTYRENE					
Property	Units	ASTM Test	Density (pcf)		
			1.0	1.25	1.5
Thermal Resistance R Factor at 75F	per inch thickness	----	3.85	3.92	4.17
Coefficient of Thermal expansion	in/(in) (F)	D 696	0.000035	0.000035	0.000035
Maximum Service temperature					
Long Term	°F	----	167	167	167
Intermittent	°F	----	180	180	180
Compressive Strength at 10% deformation	psi	D 1621	10-14	13-18	15-21
Flexural Strength		D 203	25-30	32-38	40-50
Capillarity	----	----	none	none	none
Water vapor transmission	perm in	E96	2.0-5.0	1.5-3.5	1.0-3.5
Water absorption (by volume)	%	C 272	less than 4.0	less than 3.0	less than 3.0
Bond Strength with Portland Cement	psf	----	830	830	830
(lb/ft <sup>2</sup> shear) with Gypsum	psf	----	510	510	510



**cellofoam**<sup>®</sup>  
 EPS MANUFACTURER SINCE 1966

## MANUFACTURING LOCATIONS

CONYERS, GA  
 1961 Industrial Blvd. 30012  
 (800) 944-8704  
 FAX (770) 483-8912

WHITELAND, IN  
 150 Crossroads Drive 46184  
 (800) 582-9007  
 FAX (317) 535-5211

FREDERICKSBURG, VA  
 16 Baron Park Road 22405  
 (800) 288-7663  
 FAX (540) 373-6738

SALLISAW, OK  
 1330 West Redwood 74955  
 (800) 864-1518  
 FAX (918) 775-2870

ORLANDO, FL  
 11237 Astronaut Blvd 32837.  
 (800) 423-3626  
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