



cellofoam[®]

Fan-Fold

Cellofoam's FAN-FOLD is cut in vertical 24" increments along it's 4'x50' 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 on both sides. Standard thicknesses are 1/4", 3/8" and 1/2". Standard densities are 1# and 1.25#.



- ✓ **Retains Thermal Properties (No Thermal Drift)**
- ✓ **High Resistance To Moisture**
- ✓ **Lightweight**
- ✓ **Easy to Install**
- ✓ **Abuse Resistant**
- ✓ **Shrink Wrapped 2 Squares Per Bundle**
- ✓ **Installation labor reduced by approximately 60%**
- ✓ **Environmentally Friendly. (contains no formaldehyde or ozone-depleting CFCs or HCFC)**
- ✓ **Versatile – Laminate and foil facers**

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.

Polyshield® Fanfold (1.0# density)

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

	EPS	Reflective Facer	"R" Values
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)

Thermal Retention

All types of EPS insulation will retain their specified thermal and mechanical properties even after being subjected to in-situ freeze-thaw cycling.

Physical Properties of CELLOFOAM® Expanded Polystyrene

Property	Units	ASTM Test	SPECIAL ORDER ONLY		
			Type I	Type VIII	Type II
Nominal Density	pcf	C 303	1.0	1.25	1.5
Thermal Resistance	per inch thickness	C 518 or C 177	4.17 3.85	4.25 3.92	4.55 4.17
at 40F					
at 75F					
Coefficient 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
Comprehensive Strength at 10% deformation	psi	D 1621	10-14	13-18	15-21
Flexural Strength	psi	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	< 4.0	< 3.0	< 3.0



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EPS MANUFACTURER SINCE 1966

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