



cellofoam®

FAN-FOLD

Laminated Roofing Insulation Underlayment

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 for mechanically attached EPDM, EP, TPO and PVC membranes.

FAN-FOLD is made of Cellofoam Expanded Polystyrene (EPS) rigid insulation, faced with a tough poly laminate on both sides. A reflective metallicized film facer is also available. Standard thicknesses are 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.

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 facing resists abuse during construction and prior to the installation of roofing material.

- Lightweight
- Easy to Install
- Abuse Resistant
- Shrink Wrapped 2 Squares Per Bundle
- Priced Lower Than XPS, ISO or other Cover Boards

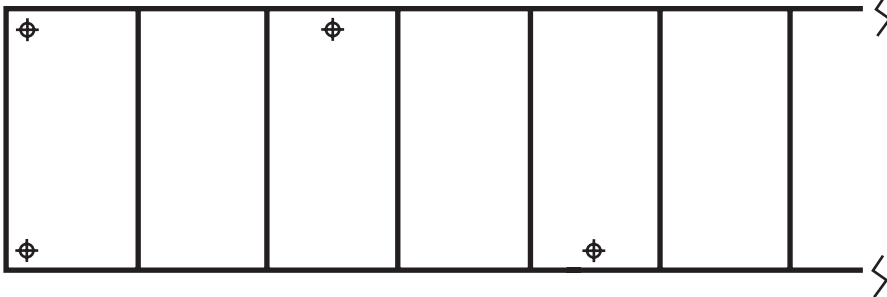
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POLYSHIELD®

Roofing Recovery FANFOLD

PHYSICAL PROPERTIES OF CELLOFOAM® EXPANDED POLYSTYRENE						
Property	Units	ASTM Test	SPECIAL ORDER ONLY			
			Type I	Type VIII	Type II	Type IX
Nominal Density	pcf	C 303	1.0	1.25	1.5	2.0
Thermal Resistance R Factor at 25°F at 40°F at 75°F	per inch thickness	C 518 or C 177	4.35 4.17 3.85	4.54 4.25 3.92	4.76 4.55 4.17	5.00 4.76 4.35
Coefficient of Thermal expansion	in/(in) (F)	D 696	0.000035	0.000035	0.000035	0.000035
Maximum Service temperature Long Term Intermittent	°F °F	---- ----	167 180	167 180	167 180	167 180
Compressive Strength at 10% deformation	psi	D 1621	10-14	13-18	15-21	25-33
Flexural Strength	psi	C 203	25-30	32-38	40-50	55-75
Capillarity	----	----	none	none	none	none
Water vapor transmission	perm in	E96	2.0-5.0	1.5-3.5	1.0-3.5	0.6-2.0
Water absorption (by volume)	%	C 272	< 4.0	< 3.0	< 3.0	< 2.0
Flame Spread		UL 723	< 20	< 20	< 20	< 20
Smoke Developed		UL 723	150-300	150-300	150-300	150-300
PHYSICAL PROPERTIES OF POLYSHIELD®						
Compressive Strength at 10% deformation	psi	D 1621	13	16	20	28
Flexural Strength	psi	C 203	33	40	50	70
Water vapor transmission	perm in	E96	< 1.0	< 1.0	< 1.0	< 1.0
Water absorption (by volume)	%	C 272	< 1.0	< 1.0	< 1.0	< 1.0

Installation



- Place one fastener at each corner of the starting and ending edges. Additional fasteners should be placed on alternate sides of the sheet every 12 square feet.
- Fasteners should be placed 6 inches from the edge of the sheet.
- When dark colored membranes are being used, install Polyshield with the metallic side facing up.

NOTE: Consult the membrane manufacturer's specific requirements for fastener density.



cellofoam®
EPS MANUFACTURER SINCE 1966

MANUFACTURING LOCATIONS

CONYERS, GA

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

FREDERICKSBURG, VA

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

ORLANDO, FL

11237 Astronaut Blvd 32837.
(800) 423-3626
FAX (407) 888-9464

SALLISAW, OK

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

WHITELAND, IN

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