



PolyNex™ Fanfold

PolyNex™ Fanfold is a high-performance, rigid insulation consisting of a closed-cell, strong yet light weight, premium-quality graphite polystyrene (GPS) foam core. It is available with either a clear plastic facer on both sides, or with a combination of one side laminate facer and the other side reflective foil facer. These provide air infiltration resistance, liquid water protection, and improves energy efficiency. All Poly-Nex™ Fanfold is manufactured to meet or exceed ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.

Advantages

- **Superior Compressive Strength**
- **Stable Long Term R-Value:** PolyNex™ Fanfold products thermal properties will remain the same throughout its entire service life
- **Energy Efficient:** Graphite reflects radiant heat and increases the resistance to heat flow
- **Water Resistant:** Closed cell foam will not readily absorb moisture
- **Mold, Mildew, and Insect Resistant:** An inert EPA approved insect repelling additive can be added during the manufacturing process to deter termites; GPS Insulation does not support mold or mildew growth
- **Code Approvals:** GPS insulation is recognized by the International Code Council Evaluation Service (ICC-ES) and is manufactured from UL and FM approved raw materials
- **Environmentally Friendly:** Contains no CFC, HCFC, HFC or Formaldehyde and is 100% recyclable

Sizes

- PolyNex™ Fanfold is available in thicknesses of:
 - 3/8", 1/2" - 2 square per bundle
 - 3/4" - 1 square per bundle
 - 1-1/16" - 1 square (to achieve an R-value of 5)

Application

PolyNex™ Fanfold is a foam insulation that is typically used as a backer board for residing applications. PolyNex™ Fanfold offers a level uniform surface for the application of residing materials, new siding materials for residential usage during renovation and commercial outside wall of a building.

PRODUCT		PolyNex™ 10	PolyNex™ 13	PolyNex™ 15	PolyNex™ 25	PolyNex™ 40	PolyNex™ 60	
ASTM C578 Classification		TYPE I	TYPE VIII	TYPE II	TYPE IX	TYPE XIV	TYPE XV	
Compressive Strength @ 10% Deformation, min	psi	10.0	13.0	15.0	25.0	40.0	60.0	ASTM D1621
R-value (Achieved at 1-1/16")	@75° F	5.0	5.0	5.0	5.0	5.0	5.0	ASTM C518
Density, Nominal	lb./ft³	1.0	1.25	1.50	2.0	2.5	3.0	ASTM 303
Flexural Strength, min.	psi	25.0	30.0	35.0	50.0	60.0	75.0	ASTM 203
Water Vapor Permeance of 1.0 in. thickness, max, perm		5.0	3.5	3.5	2.5	2.5	2.5	ASTM E96
Water Absorption Volume %		4.0	3.0	3.0	2.0	2.0	2.0	ASTM C272
Flame Spread		<25	<25	<25	<25	<25	<25	ASTM E84
Smoke Developed		<450	<450	<450	<450	<450	<450	ASTM E84

*R-Value of 4.7 is achieved at 1"