

PolyNex™ BOARD

Poly Molding's PolyNex™ Board made of graphite polystyrene is a great solution for projects and applications that require rigid insulation boards at a variety of compressive strengths, ranging from 10-60 psi . Less expensive than some of the alternative products in the industry, contractors and industry professionals alike find great value in Poly Molding's PolyNex™ Board. It is durable, flexible, easy to fabricate and the R-Value does not decrease overtime. Poly Molding's Poly-Nex™ Board is manufactured to meet or exceed ASTM C578, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation, proving it to be a superior product.

Advantages

- **Superior Compressive Strength**
- **Stable Long Term R-Value:** PolyNex™ Board 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™ Board is available in 4'x4' and 4'x8' standard sizes with thicknesses ranging from ¼' to 36'
- PolyNex™ Board readily available in custom sizes
- PolyNex™ Board can be laminated upon request

Application

PolyNex™ Board insulation has been employed effectively in a variety of commercial, industrial, and residential applications. PolyNex™ Board be used for basements, foundations perimeters, retaining walls, below grade insulation, interior/exterior walls, concrete panels, siding backer boards, etc.

PRODUCT		PolyNex 10	PolyNex 13	PolyNex 15	PolyNex 25	PolyNex 40	PolyNe 60	
ASTM C578 Classification		**TYPE I**	**TYPE VIII**	**TYPE II**	**TYPE IX**	**TYPE XIV**	**TYPE XV**	**Test Method**
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"*

POLYMOLDING
"The Future of Expanded Polystyrene"

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