



PolyNex™ Graphite For Exterior Insulation Finishing Systems (EIFS)

High Performance Graphite Insulation

PolyNex™ is a high-performance Graphite insulation product that offers exceptional thermal performance with an R-5 insulation value at 1-1/16". It is rigid, closed-cell graphite polystyrene insulation with a charcoal gray color that gives maximum efficiency, cost-effectiveness and up to 20% more energy savings than traditional white EPS. PolyNex™ is an optimal product for a wide range of applications requiring improved insulation properties.

Advantages

- **Superior Compressive Strength**
- **Stable Long Term R-Value:** PolyNex™ boasts an impressive R-5 insulation value at 1-1/16"
- **Energy Effective:** 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™ is available in a wide range of thicknesses from 1/2" to 36"
- Standard board dimensions include 2' X 4', 2' X 8' or 4' x 8'
- Custom sizes available upon request
- Please contact our offices at info@polymoldingcorp.com for more information

Application

- Custom Size Billets (Up to 38" Thick)
- Drainage Boards (Varied Thickness)
- CNC Profile Cutting (Architectures Shapes)
- Structural Panel Systems
- Higher Densities Available

POLYNEX™ for Exterior Insulation Finishing Systems (EIFS)

PRODUCT		PolyNex™ 10
Density min.	lb./ft ³	1.0
R-Value (Nominal Inch)	25°F	5.0
	40°F	5.2
	75°F	5.4
Compressive Resistance @ 10% Deformation		10.0
Flexural Strength		25.0
Flame Spread		<5
Smoke Developed		<25

R-Value of 5 is achieved at 1-1/16"