

Graphite For Exterior Insulation (GPS) Finishing Systems (EIFS)

High Performance Graphite Insulation

GPS 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. It is an optimal product for a wide range of applications requiring improved insulation properties.

Advantages

- **Superior Compressive Strength**
- **Stable Long Term R-Value:** MOHAWK 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

- 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 www.mohawk.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

Exterior Insulation Finishing Systems (EIFS)

Product		MOHAWK
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"

Expanded Polystyrene (EPS) EXTERIOR INSULATED WALL SYSTEMS (EIFS)

EIFS stucco is a highly functional and energy-efficient finish that lasts up to 30 years, consisting of three layers including an inner layer of expanded polystyrene board, a middle layer of water-resistant base coat with fiberglass mesh, and an exterior textured finish coating that is crack-resistant. This system is customizable and offers unparalleled energy efficiency, as well as being affordable and worry-free. EIFS provides superior R-values while meeting codes and regulations.

Advantages

- **Superior Compressive Strength**
- **Stable Long Term R-Value:** R-Value maintained through entire product life without thermal drift
- **Energy Efficient**
- **Maximum Bonding & Premium Quality**
- **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; EPS Insulation does not support mold or mildew growth
- **Code Approvals:** EPS insulation is recognized by the International Code Council Evaluation Service (ICC-ES) and is manufactured from UL and FM approved raw materials
- **Premium Quality:** Meets or exceeds ASTM C578 Specs with excelled dimension stability
- **Environmentally Friendly:** Contains no CFC, HCFC, HFC or Formaldehyde and is 100% recyclable
- **Proven Performance Record:** EPS products have been manufactured since the mid-1950's using the same fundamental chemistry qualifies for LEED Credits

Sizes

- EIFS come standard in sizes of 2' x 4', and 2' x 8'
- EIFS can be customized in size, thickness and shape upon request
- Higher densities are available upon request (2.5 lb. and 3.0 lb.)
- Please contact our offices at www.mohawk.com for more information

Application

- Drainage Board (Varied Thickness)
- CNC Profile Cutting (Architectures Shapes) Structural Panel Systems
- Higher Densities Available

Exterior Insulated Finishing Systems (EIFS)

Product		MOHAWK	
ASTM Classification		Type I	Test Method
R-Value, Thermal Resistance, per inch	@25° F @40° F @75 °F	4.35 4.17 3.90	ASTM C518 or ASTM C177
Compressive Strength (psi, 10% Deformation)		10-14	ASTM D1621
Flexural Strength (min. psi)		25	ASTM C203
Dimensional Stability (maximum %)		2%	ASTM D2126
Water Vapor Permeance (max. perm., 1 inch)		5.0	ASTM E96
Flame Spread		<20	ASTM E84
Smoke Developed		150-300	ASTM E84

*Please refer to ASTM C578 specification for complete information.

*Compressive strength is measured at 10 percent in accordance with ASTM C578. A safety factor is required to prevent long-term creep for sustained loads. For static loads, a safety factor of 3:1 is recommended.