

INSULFOAM[®]

PLATINUM

TECHNICAL DATA SHEET

Description

Platinum insulation is a revolutionary Graphite Polystyrene (GPS) manufactured using Neopor[®].

Unlike other rigid insulations, Platinum exhibits a stable, non-degrading R-Value over the life of the product. In addition, Platinum insulation helps manage moisture, making it an ideal insulation for construction applications.

Uses

Ideal for use in numerous commercial, industrial and residential continuous insulation (CI) construction applications including:

- Traditional and One-Coat Stucco Systems
- Exterior Insulation and Finish System (EIFS)
- Tilt-up Walls
- Sheathing Systems
- Under-Slab and Perimeter/Foundation Applications
- Cavity Walls
- Interior Walls
- Cold Storage Walls and Floors
- Attics and Crawl Spaces



The Power of Platinum

- Platinum achieves higher R-Values in a thinner profile making it ideal for space-constrained applications and minimizing shipping expenses.
- Long-term stable R-Values that increase with colder temperatures.
- Platinum is eligible to receive a 20-year thermal warranty that covers 100% of the stated R-Value.
- Provides long-term moisture management - Platinum is breathable and does not readily absorb moisture.
- Available in custom sizes, compressive strengths and job-specific quantities.
- Material cost savings over other premium rigid insulations.
- Code Recognized: ULEX 14313, meets HUD requirements and NFPA 285 tested (cavity walls).

Typical Tested Physical Properties of Platinum GPS Insulation*

Property	Type I	Type VIII	Type II	Type IX	Test Method
Nominal Density (pcf)	1.00	1.25	1.50	2.00	
R-Value (Thermal Resistance)					
°F-ft ² -h/BTU (°C·m ² /W) @ 25° F	5.1	5.1	5.1	5.2	ASTM C177
°F-ft ² -h/BTU (°C·m ² /W) @ 40° F	4.9	4.9	4.9	5.0	
°F-ft ² -h/BTU (°C·m ² /W) @ 75° F	4.7	4.7	4.7	4.7	
Compressive Strength (psi, 10% deformation)	10	13	15	25	ASTM D1621
Flexural Strength (min. psi)	25	30	35	50	ASTM C203
Water Absorption (max. % by vol.)			1.1		ASTM C272
Water Vapor Permeance (max. perm. ng/Pa·s·m ²)	4.0	3.1	3.1	2.5	ASTM E96
Flame Spread Index			5		ASTM E84
Smoke Developed Index			25		ASTM E84

*Property data provided by resin manufacturers, independent test agencies and Insulfoam, and are based on based on 1" thickness.

Installation

Please refer to the appropriate Insulfoam Platinum installation guidelines for recommended installation procedures, available at www.insulfoam.com or by asking your local representative.