

Description

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

Unlike other rigid insulations, R-Tech Platinum combines factory laminated specially-treated metalized polymeric facers and premium insulation into one product. This creates a semi-vapor permeable (breathable) shield to efficiently meet the latest building and energy code requirements for continuous insulation.

R-Tech Platinum exhibits a stable, non-degrading R-Value over the life of the product. In addition, R-Tech Platinum helps manage moisture, making it an ideal insulation for builders.

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 R-Tech Platinum

- Specialty proprietary factory-laminated facers coupled with a Platinum foam core create a breathable rigid insulation.
- The R-Tech facers make the product more misuse and abuse resistant to provide better job site handling.
- R-Tech 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 increase with colder temperatures.
- R-Tech Platinum is eligible to receive a 20-year thermal warranty that covers 100% of the stated R-Value.
- R-Tech Platinum does not readily absorb moisture.
- Available in thicknesses from 1/2" to 5" in custom panel sizes, compressive strengths and job-specific quantities.
- Code Recognized: ULEX 14313, meets HUD requirements and NFPA 285 tested (cavity walls).

Typical Tested Physical Properties of R-Tech Platinum GPS Insulation*

Property	R-Tech Platinum	R-Tech Platinum X	R-Tech Platinum IV	Test Method
R-Value (Thermal Resistance) °F·ft ² ·h/BTU (°C·m ² /W) @ 25° F	5.1	5.1	5.2	ASTM C177
°F·ft ² ·h/BTU (°C·m ² /W) @ 40° F	4.9	4.9	5.0	
°F·ft ² ·h/BTU (°C·m ² /W) @ 75° F	4.7	4.7	4.7	
Compressive Strength (psi, 10% deformation)	13	20	28	ASTM D1621
Flexural Strength (min. psi)	33	50	70	ASTM C203
Water Absorption (max. % by vol.)		<1.0		ASTM C272
Water Vapor Permeance (max. perm. ng/Pa·s·m ²)		>1.1		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 R-Tech Platinum installation guidelines for recommended installation procedures, available at www.insulfoam.com or by asking your local representative.