

INSULFOAM[®] **PLATINUM**

PREMIUM INSULATION SYSTEMS



PLATINUM POWERED INSULATION



INSULATION ENGINEERED TO MAKE A DIFFERENCE.



RAISE THE PLATINUM POWER

Insulfoam Platinum is revolutionizing rigid insulation for the future.

Powered with Neopor® by BASF, Insulfoam Platinum GPS (Graphite Polystyrene) rigid insulation is designed to maximize insulation performance, while maintaining a light-weight, thin product ideal for use in space constrained areas or colder climates.

InsulWall and R-Tech Platinum GPS Insulations provide a high long-term stable R-Value, and meet building code requirements.

- Higher R-Value For The Same Thickness
- 100% Warranted Long Term, Stable, R-Values
- Long-Term Moisture Management
- Breathable Sheathing Products
- Significant Material Cost Savings
- Labor Installation Savings

Platinum provides high Real-world R-Values

ASTM C1363 testing showed that wall assemblies using Platinum GPS insulations provide a significantly higher R-Value. "ASTM C1363 - Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies" is a whole-wall assembly test that measures the thermal performance of the entire wall assembly. The test provides a real-world measurement of how different components in a wall assembly combine to provide thermal protection.

Insulfoam Platinum's wide range of wall sheathing products and systems are easily the best choice for all of your insulation needs -- and your budget's bottom line.

Stable R-Values Performance that lasts

Another critical component for R-Value stability is thermal drift while insulation is installed. In a nutshell, thermal drift is when the insulation's insulating power escapes out of the foam and is replaced by air. Platinum has long-term stable R-values as it does not suffer from thermal drift. That's because Platinum uses air, unlike foams which use fluorocarbons as an expansion agent and insulating gas.

With Platinum, you start with a high R-value that stays stable, and even increases when it gets cold.

The science in savings The power of graphite

Insulfoam Platinum with Neopor is made with a polymer matrix containing graphite, which reflects radiant heat energy like a mirror, increasing Platinum insulation's resistance to the flow of heat -- also known as R-Value.

Rigid insulations typically slow the flow of heat as the temperature decreases. Insulfoam Platinum is unique because the graphite powers an increase in R-value. Truly revolutionary!



R-Value 100% Warranted

Product warranties reflect R-value stability perfectly. Insulfoam Platinum products and systems come with a long-term 100% 20- year thermal warranty, while competing rigid insulations warrant only 80% or 90% of their thermal value.

Platinum GPS Physical Properties

Property	Platinum Type I	Platinum Type VIII	Platinum Type II	Platinum Type IX	R-Tech Platinum	R-Tech Platinum X	R-Tech Platinum IV	Test Method
Density (nom. pcf.)	1.00	1.25	1.50	2.00	1.00	1.50	2.00	ASTM C518
R-Value/ In. @ 25° F @ 40° F @ 75° F	5.1 4.9 4.7	5.1 4.9 4.7	5.1 4.9 4.7	5.2 5.0 4.7	5.1 4.9 4.7	5.1 4.9 4.7	5.2 5.0 4.7	ASTM C518 or ASTM C177
Compressive Strength (psi. 10% deformation)	10-14 psi	13-18 psi	15-21 psi	25-33 psi	13 psi	20 psi	28 psi	ASTM D1621
Flexural Strength (min. psi.)	25	30	35	50	33	50	70	ASTM C203
Water Absorption (max. % by vol.)	4.0	3.0	3.0	2.0	<1.0	<1.0	<1.0	ASTM C272

Platinum is Breathable Moisture management

When compared with other rigid insulations, Platinum has proven itself to have exceptional vapor permeability properties, making it a breathable insulation.

Independent lab tests compared the moisture release properties of Platinum (1.45 pcf) with XPS (1.9 pcf) insulation in a 2 hour direct water spray (5 gallons per hour, per sf.). After the water exposure R-Values were recorded using the ASTM C-518 test method tests showed that Platinum retained 100% of its R-Value after 48 hours.

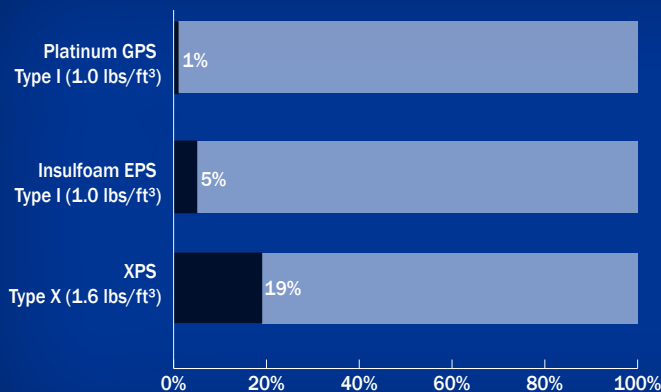
Results showed that Platinum allows water vapor to pass through the product thereby releasing moisture from walls and foundations.



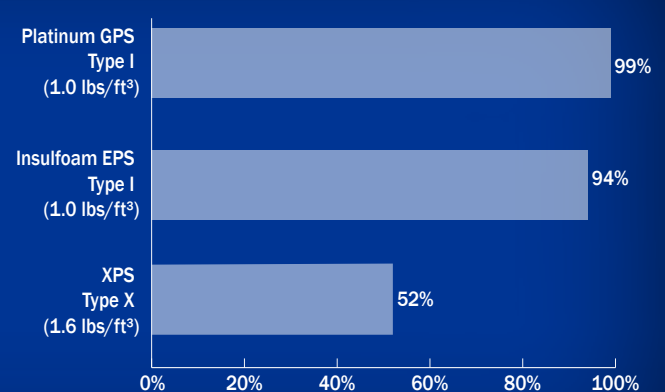
Material Cost Savings Achieve the same R-Values with less

Platinum products can offer a 10-25% material savings compared to XPS insulations. The unique graphite-enhanced properties create a versatile product that is typically thinner and less dense than XPS. Platinum's thinner products save resources, relieve pressure on the environment, and are recyclable (which helps our landfills!).

% Water Absorption



% R-Value Retention



Platinum results provided by Neopor/BASF and are approved by Intertek, Evaluation Center, 2015. EPS and XPS results based on independent test of Expanded Polystyrene referenced in Technical Bulletin - EPS Industry Alliance, 2014.

Platinum GPS rigid insulation with Neopor® is an innovative, high R-Value, breathable and cost-effective insulation for builders, architects contractors and building owners.

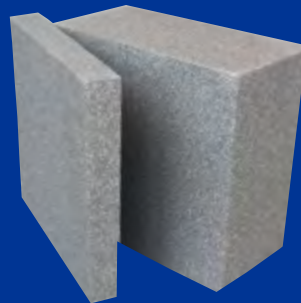
- Save resources today, and energy tomorrow
- Achieve the same R-Values with less material
- Platinum's R-Values actually increase when it gets cold outside
- One of the only rigid insulation to sustain its R-Value for life
- When exposed to moisture Platinum retains a significant portion of its R-Value
- Vapor permeability is ideal for moisture management
- Platinum can help meet energy codes & stringent performance standards
- Product properties and testing standards, refer to UL Evaluation Report UL ER 14313-01

INSULATION APPLICATIONS

- Sheathing systems
- Continuous insulation
- EIFS & stucco systems
- Exterior & exterior insulation
- Insulated siding underlayment
- Pre-cast or tilt-up walls
- Retrofit/remodel
- Structural insulated panels (SIPS)
- Freezer walls

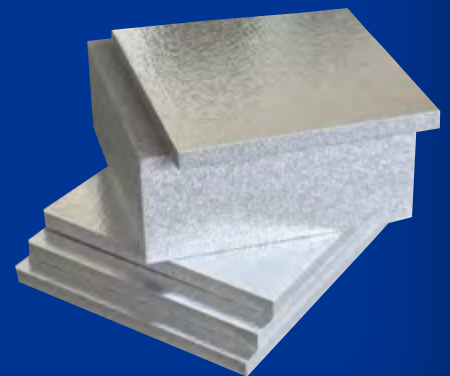
INSULFOAM® PLATINUM

- Higher insulation power
- Thinner material
- Extremely stable R-Values
- Built-in moisture management
- Custom thicknesses & sizes available
- Standard 4'x8', 2'x8', 2'x4' panels



R-TECH PLATINUM

- InsulWall Platinum insulation with factory laminated polymeric facer that resists moisture absorption
- Used as construction sheathing
- Available as structural insulated sheathing when laminated to OSB or other substrates
- Available up to 5" thick in standard 4'x8', 4'x9' panels - custom sizes also available



www.insulfoam.com

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Manufacturing in: Alaska - Arizona - California - Colorado
Florida - Nebraska - Utah - Washington



Physical and test properties include data provided by BASF for BASF Neopor Insulations. Insulfoam Platinum and R-Tech are trademarks of Insulfoam. © 2016 Insulfoam | Brochure #15000-(03/16)