

# Powerful Rigid Insulation Solutions



Introducing

## CHROME GPS

PROFESSIONAL GRADE GRAPHITE INSULATION

Powered by



**Neopor®**

Innovation in Insulation

**BASF**  
We create chemistry

Manufactured by



**PROGRESSIVEFOAM**

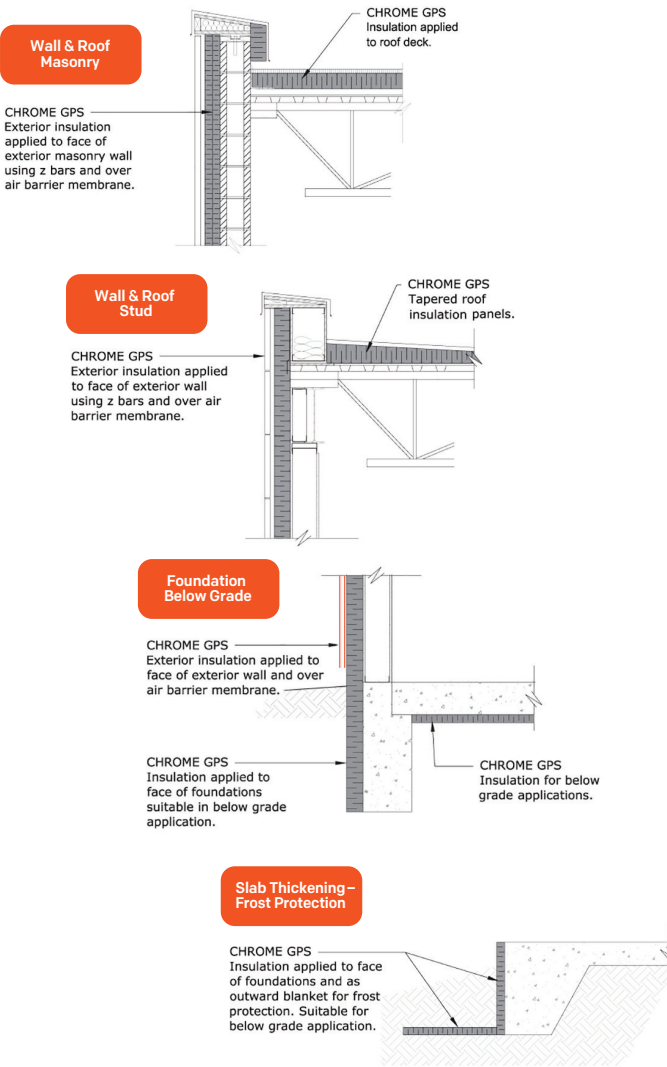
# Introducing Chrome GPS™

The premium, professional-grade Rigid Insulation delivering higher, long-term R-value performance and a better overall value for the money compared to other materials. Chrome GPS delivers maximum efficiency, cost-effectiveness and sustainability for numerous construction applications.

## Remain Exposed in Multi-Use Applications

Chrome GPS Rigid Insulation meets code requirements for Continuous Insulation and can be used in a variety of applications for both new construction and remodeling. Plus, Chrome GPS can remain exposed in all installations.

- Under Slab
- Perimeter
- Interior Walls
- Basement Subfloor
- Above-Grade Walls
- Roof
- Attic



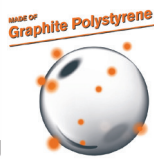
## The Science of High-Performing Neopor GPS®

**Chrome GPS Rigid Insulation is Powered by Innovative Neopor GPS (Graphite Polystyrene) from BASF.**

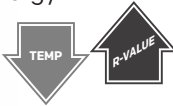
Silver-Grey Neopor GPS is at the core of Chrome GPS performance. Comprised of many small pockets of air within a polymer matrix of embedded graphite particles, this graphite reflects radiant heat energy like a mirror and increases the R-value, or resistance to heat flow.

The graphite component causes the heat to be reflected hundreds of times as it moves through the insulation. This significantly slows the transfer of heat, making Chrome GPS more energy efficient than other insulation. In fact, with Neopor GPS, our Chrome GPS Rigid Insulation delivers a powerful R-5 performance per nominal\* inch in both low and medium density applications.

**More power!** Not only does Chrome GPS eliminate thermal bridging, but it also is in a unique class because it actually increases in R-value as the exterior temperature drops. It powers up to deliver even better energy efficiency and interior comfort when it gets colder outside!



**R-5**



*\*nominal inch = 1.06*

# Chrome GPS™ Delivers Valuable Benefits More Economically

## Proven Energy Efficiency

**More and more architects, contractors and builders are constructing homes with greater energy efficiency—while always having an eye on cost control and long-term performance.**

- R-Value Performance:
  - Chrome GPS provides R-5 performance at a cost advantage versus other options.
  - Holds its R-Value: After 48 days of extreme environmental testing by a respected independent laboratory, it held its R-value in conditions that involved both constant thermal gradient and cycling between large temperature and humidity variations.
- Adaptable to all climate zones, Chrome GPS powers up when it gets cold outside. Insulating external walls with Neopor GPS increases the temperature of their inside surfaces which helps create a better indoor climate.
- Chrome GPS boards are thinner than other insulation, so the same effect is achieved with less material.



## Moisture Management

**Chrome GPS high-performance insulation provides exceptional breathability and vapor semi-permeability.**

- Reduces the risk of mold, rot, and structural damage tied to moisture condensation and long-term water retention.
- Low moisture absorption of less than 1% and vapor semi-permeable performance provide invaluable peace-of-mind to builders and homeowners alike.
- Third-party environmental testing (to ASTM C1512) concluded Neopor GPS-based insulation does not retain moisture and dries quickly after cycling from low to high humidity.



## Stability and Durability

**Chrome GPS is adaptable in size, thickness, shape and density, providing maximum flexibility and durability.**

- Resistant to aging and decay to consistently deliver the highest true R-value performance over time with virtually zero thermal drift.
- Holds its physical properties after extreme environmental cycle tests, further confirming what building professionals have observed in real-world applications.
- High resistance to normal soil moisture.
- Available in compressive strength from 10 to 30 psi.



## Termite Resistant

- Chrome GPS is protected from insect degradation with a specially formulated insect inhibitor.
- Completely safe for pets and humans.



## Resource-efficient

- Neopor GPS uses up to 30% less material than other rigid foam insulation to achieve the same R-value, saving on building materials and installation labor.
- Localized manufacturing also reduces carbon footprint and contributes to LEED Certification.



*Continued on back.*



## Fire Performance

- Chrome GPS is self-extinguishing
- Complies the following performance standards as tested by a third-party, independent laboratory:
  - NFPA 285 Fire Test for flame spread
  - NFPA 286 (2015 Edition) For exposed attic, basement and crawl space applications.
  - 2006 IBC Section 803.2.1
  - 2009 IBC Section 803.1.2 and Section 2603.
  - 2012 IBC Section 803.1.2 and Section 2603.10 Special Approval for Thermal Barrier Alternatives



## Neopor GPS®–Third-party Validated And Certified

- Earned UL GREENGUARD Certification meeting chemical emissions requirements to help deliver superior indoor air quality.
- Referenced by The Collaborative for High Performance Schools (CHPS)
- Referenced by Leadership in Energy and Environmental Design (LEED®) Building Rating System.



## Technical Properties

Compressive Strength (PSI, 10% deformation)	10.0 (70)	16 (110)	20.4 (140)	25 (175)	30 (200)
Thermal Resistance* frz @75	5	5	5	5	5
VAP Permeance	300	200	130	130	130
Water Absorption	4	3	3	2	2
Limiting Oxygen Index	24	24	24	24	24
Flame Spread Index	5	5	5	5	5
Smoke Developed Index	25	25	25	25	25

*\*per nominal inch (1.06")*

## Available Dimensions

### Standard Panel Sizes:

2' x 8' and 4' x 8'  
2' x 9' and 4' x 9'  
2' x 10' and 4' x 10'

### Standard Thicknesses:

1", 1.5", 2", 3", 4"

### Custom Products Available:

Do you have a need for Chrome GPS with different specifications? Special custom dimensions, thicknesses and profiles are available upon request.

## For More Information:

Contact: Scott Partlo 330-600-4369 or  
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