

# Neopor<sup>®</sup> High Performance Exterior Sheathing HPE-130

## Why Builders Rely on Neopor<sup>®</sup> High Performance Insulation.

- Graphite-enhanced R-5 performance
- Meets 2009, 2012 and 2015 International Residential Code (IRC) for Continuous Insulation (CI), Below Grade, Attics and Crawl Spaces
- Moisture-resistant and Vapor-open
- GREENGUARD Gold Indoor Air Quality
- Attractive incentive program
- R-value Warranty



### Innovation in Insulation.

Neopor<sup>®</sup> is an advanced rigid thermal insulation material available locally and world-wide that allows builders to achieve energy code while still meeting client budget expectations.

## Next generation insulation powered by graphite.

Neopor High Performance Exterior Sheathing is a next generation insulation product line with a maximum R-value powered by graphite. Neopor High Performance Exterior Sheathing is a premium grade insulation manufactured to provide architects, specifiers, distributors, and contractors all the features and benefits inherent in a high quality insulation.

- High R-value that never changes and is stable over time
- High compressive strength of 13 or 25 psi
- Closed cell insulation with superior moisture resistance
- High drying potential to rapidly release absorbed moisture
- Helps eliminate wall cavity condensation
- Meets code requirements for continuous insulation

## Graphite Enhanced.

Neopor High Performance Exterior Sheathing is comprised of many small pockets of air within a polymer matrix containing graphite. The graphite reflects radiant heat energy like a mirror, increasing the material's resistance to heat flow or R-value.

## R-value/Strength.

Product	R-value <sup>1</sup>		Compressive Strength <sup>2</sup> , psi
	75°F	40°F	
Neopor HPE-130	5.0	5.2	13

<sup>1</sup> R-value units are °F-ft<sup>2</sup>-h/Btu and are based on 1-1/16" thickness.

<sup>2</sup> Compressive strength @ 10% deformation.

Neopor High Performance Exterior Sheathing is available in a wide range of standard R-values and thicknesses to meet your needs. **R-3, R-5, R7.5, R10, R13, R15, R20, R25 and more.**

Product thicknesses for standard boards are provided in the Neopor High Performance Exterior Sheathing Thickness & R-value. Project requirements vary, so Neopor High Performance Exterior Sheathing can be ordered in any R-value thicknesses to meet your needs.

## Proven to meet, or exceed, building codes.

Neopor High Performance Exterior Sheathing is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER5817-02.



Neopor High Performance Exterior Sheathing meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation."

## Moisture Resistance.

When tested in accordance with ASTM C1512, "Standard Test Method for Characterizing the Effect of Exposure to Environmental Cycling on Thermal Performance of Insulation Products" Neopor High Performance Exterior Sheathing maintains its R-value and strength after severe exposure to moisture and freeze-thaw cycles.

## Drying Potential.

Neopor High Performance Exterior Sheathing is manufactured to resist moisture absorption in wetting conditions and release absorbed moisture quickly during drying periods, which means Neopor High Performance Exterior Sheathing maintains R-value.

## Flexible Product Options.

Neopor High Performance Exterior Sheathing is available factory scored and can be field snapped to 16", 24", and 48" widths.

Neopor High Performance Exterior Sheathing can be manufactured with Termicide.

## Product Protection.

Neopor High Performance Exterior Sheathing can be damaged by prolonged direct sunlight exposure or by reflected sunlight. Neopor High Performance Exterior Sheathing must be protected during storage, transportation, and at the project with a light colored opaque material. Please refer to the Neopor High Performance Exterior Sheathing Handling Instructions.

## Recyclable.

After its life as a building insulation, Neopor High Performance Exterior Sheathing is 100% recyclable. It can be ground into granules and reincorporated into new Neopor High Performance Exterior Sheathing products. Or it can be thermally processed into a resin that's used to manufacture other new products.

## Ready to get started?

If you're ready to have Neopor High Performance Exterior Sheathing contribute to your next project, please contact us. We will be happy to give you design consultation, information about Neopor High Performance Exterior Sheathing products, pricing, and answers to all of your questions.

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