



Neopor® GPS Installation Guide

Framed Walls – Above Grade

Overview:

Neopor Plus GPS rigid insulation is graphite enhanced offering superior insulation performance compared to other materials. It is not structural so accommodations must be made to satisfy structural requirements.

Code Compliance:

Insulation made of Neopor is approved for use and complies with, or is a suitable alternative to, the applicable sections of the 2006, 2009, 2012 and 2015 IRC and IBC.
UL ER5817-02 / ICC-ES ESR-3463.

Preparation:

Install Neopor GPS over clean, dry suitable framing spaced no more than 24 inches on center. Neopor GPS may be left exposed no more than 90 days from date of installation. All wall applications are for above grade installations only. Keep open flame away from Neopor GPS at all times.

Neopor® Performance:

Physical Properties	ASTM Method	Units			
R-Value, 75° F	C518	Btu • in. / ft. ² hr • °F	5	10	20
R-Value, 40° F	C518	Btu • in. / ft. ² hr • °F	5.2	10.4	20.8
Thickness	-	Inches	1 1/16	2 1/8	4 1/4

Installation:

Over structural sheathing or direct to structural stud framing for continuous Insulation.

- Stud spacing may be 16” or 24” OC.
- Apply Neopor Insulation to outside of braced framing or structural sheathing with printed facer visible to the outside.
- Panels install vertically with long edge aligning with framing.
- Fasten Neopor GPS through structural sheathing (when applicable) to wood/metal stud framing.
- Fasteners need to be of sufficient length to penetrate framing members a minimum 3/4” for wood and 1/4” for metal.
- Cover all framing with Neopor insulation and fit joints tightly.

Fastener Spacing:

- Neopor field—every 16 inches on center.
- Neopor perimeter—every 12 inches on center.
- Place perimeter fasteners 3/8 of an inch from edge of board. When 1 3/4 inches or larger diameter washer style fastener are used, one fastener at perimeter joints can bridge two boards.
- Drive correct length fastener flush to Neopor GPS surface. Do not countersink fastener or washer.



Fasteners to attach Neopor:

- 3/8 inch head (9.5 mm) galvanized roofing nails, 3/4 inch wood stud framing penetration.
- 6D ring shank nails with 15/16 inch diameter plastic washers, 3/4 inch wood stud framing penetration. 7/16 inch crown 16 gage staples, minimum 1/2 inch wood stud framing penetration.
- 1 3/4 inches or larger diameter washer style fasteners, minimum 3/4 inch wood stud framing penetration or 1/4 inch minimum for metal stud framing. One 1 3/4 inch or larger diameter washer style fastener at joint can bridge two boards. Example: Thermal-Grip® ci Prong Washer by Rodenhouse or equivalent.

Environment:

Products made of Neopor have zero ozone-depletion potential and are GREENGUARD Gold certified for indoor air quality.

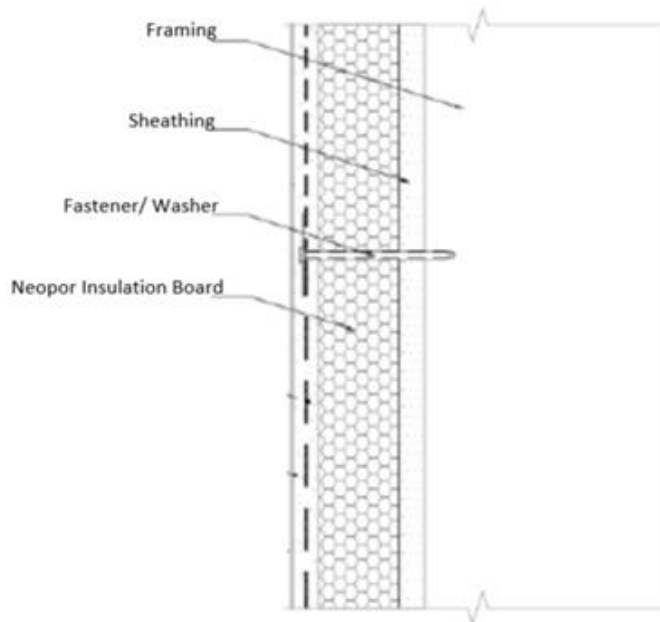
Product Protection:

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

Availability and Warranty:

Warrantied and supplied across North America from BASF Neopor authorized manufacturers listed under UL ER 5817 and ICC ESR 3463 or visit our website:

www.Neopor-Insulation.com



Important Note:

THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH, AND ARE BASED ON BASF'S CURRENT KNOWLEDGE AND EXPERIENCE. THEY ARE PROVIDED FOR GUIDANCE ONLY, AND DO NOT CONSTITUTE THE AGREED CONTRACTUAL QUALITY OF THE PRODUCT OR A PART OF BASF'S TERMS AND CONDITIONS OF SALE. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE OF THE PRODUCT, BASF RECOMMENDS THAT THE READER CARRY OUT ITS OWN INVESTIGATIONS AND TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR ITS PARTICULAR PURPOSE PRIOR TO USE. IT IS THE RESPONSIBILITY OF THE RECIPIENT OF PRODUCT TO ENSURE THAT ANY PROPRIETARY RIGHTS AND EXISTING LAWS AND LEGISLATION ARE OBSERVED. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH HEREIN, OR THAT THE PRODUCTS, DESCRIPTIONS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. ANY DESCRIPTIONS, DESIGNS, DATA AND INFORMATION GIVEN IN THIS PUBLICATION MAY CHANGE WITHOUT PRIOR INFORMATION. THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTIONS, DESIGNS, DATA OR INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT THE READER'S RISK.