

LP NOVACORE™ THERMAL INSULATED SHEATHING

LP NovaCore™ Thermal Insulated Sheathing combines OSB structural sheathing with continuous insulation for faster installation to provide protection against cold and heat.

Industry leaders joining forces: LP NovaCore sheathing made with Owens Corning® FOAMULAR® NGX™ XPS foam provides continuous insulation without the long-term R-value deterioration associated with other foam insulation products.

Combat cold and heat: The continuous insulation from LP NovaCore sheathing can reduce potential heat gain or loss through the studs, making a more comfortable house for homeowners.

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INSTALLATION AND
FAQ VIDEOS



FEATURES & BENEFITS

- The sheathing's dual-layered design is made up of 1" of XPS foam adhered to nominal 7/16 OSB giving the overall product an R-Value of R-5.¹
- Comes in nominal 4'x8', 4'x9', and 4'x10' sizes.²
- 2-in-1 sheathing that cuts and installs like OSB to provide a solid nailing substrate for a variety of facades and a layer of continuous insulation.
- Sheathing is installed with the foam facing towards the studs (i.e., the OSB facing the outside).
- LP NovaCore sheathing is backed by a 20-year limited warranty.³



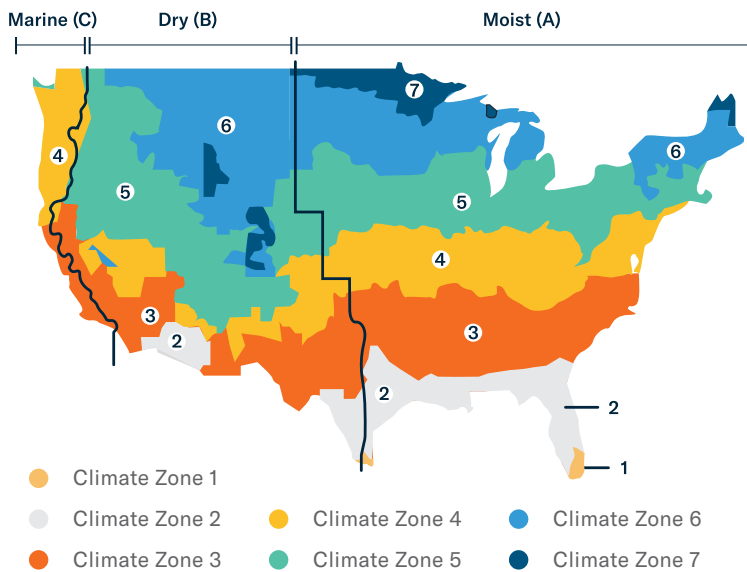
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For SI: Inch = 25.4mm **1.** ASTM C578 Compliance Type 4, Compressive strength 25 PSI. **2.** Dimensions are reduced 1/8" for proper spacing during installation. **3.** Visit [lpcorp.com/warranties](https://www.lpcorp.com/warranties) for details.

- With zero ozone depletion potential, specifying and installing LP NovaCore™ sheathing helps builders achieve LEED®, ENERGY STAR®, and Green Building Standard ICC 700-2008 certifications.
- By using FOAMULAR® NGX™ XPS, the R-value of LP NovaCore sheathing increases as temperatures drop while other polyiso foam products can see a decrease in their R-value as temperatures drop.
- With LP NovaCore sheathing, builders in some climate zones can use 2x4 studs while still meeting strict energy codes.

CLIMATE CODES

Shown in the map below, LP NovaCore sheathing can be used to meet energy codes anywhere a climate zone allows an R-Value of 13+5, or 20+5.



WOOD-FRAMED WALL R-VALUE REQUIREMENTS¹

Climate Zone	2009 IECC	2012, 2015, 2018 IECC	2021 IECC
1	13	13	13
2	13	13	13
3	13	20 or 13+5	20 or 13+5
4	13	20 or 13+5	20+5
5	20 or 13+5	20 or 13+5	20+5
6	20 or 13+5	20+5	20+5
7-8	21	20+5	20+5

LP NOVACORE THERMAL INSULATED SHEATHING FASTENING REQUIREMENTS FOR PRESCRIPTIVE BRACING²,³

Framing⁴		Nailing Requirements	
Nominal Stud Spacing (min.)	Maximum Stud Spacing (in.)	Minimum Nail Size⁵	Maximum Nail Spacing Edge⁶/Field (in.)
2x4	24	0.131" diameter x 3" long	4/12

LP NovaCore sheathing is evaluated as intermittent bracing⁷ for the IRC and IBC, and as shear wall for the IBC. Refer to APA® product report PR-N139.



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1. Reference the International Energy Conservation Code (IECC) for the detailed guidelines in your climate zone. **2.** Intermittent wall bracing (WSP Method) in accordance with the 2021, 2018, 2015 and 2012 IRC and IBC. **3.** Not approved for use as prescriptive wall bracing where wind design is required by Section R301.2.1.1 of the IRC. **4.** All panel edges must be backed by framing or blocking. Exception: When not used as bracing panels, the horizontal joints need not be blocked. **5.** Nails must be full round head of a type generally used to attach wood structural panel sheathing. **6.** Panel edge nails must be located approximately 3/8" from panel edges except at outside corners. Refer to full installation instructions for more detail on corner framing. **7.** WSP method. See installation instructions for specific nailing requirements.