

# SUPERIOR ENERGY SAVINGS

## LP NOVACORE™ XPS FOAM SURPASSES POLYISO FOAM

LP NovaCore panel is made with Owens Corning® FOAMULAR® NGX™ XPS foam to help stop heat transfer that drives up energy costs in homes.



### MORE EFFICIENT

Annually, XPS is 21% more thermally efficient than polyiso at stopping heat flow.



**FOAMULAR NGX XPS'S thermal rating (R-value) significantly outperforms polyiso's as temperatures decline.**<sup>2,3</sup>

Polyiso's R-value can decrease substantially when tested at mean temperatures less than 75°F. In contrast, LP's XPS R-value can increase in colder temperatures.<sup>1</sup>

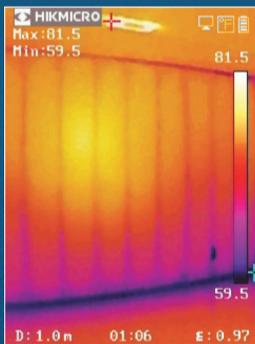
MEAN TEMPERATURE	XPS	POLYISO
75°F	R5.0	R5.6
15°F	R6.0	R2.0

## FOCUS ON HIGH PERFORMANCE

LP NovaCore panel creates a layer of continuous insulation between wall studs and outdoor temperatures year round. This prevents thermal transfer through studs known as thermal bridging.



### WITH LP NOVACORE PANEL

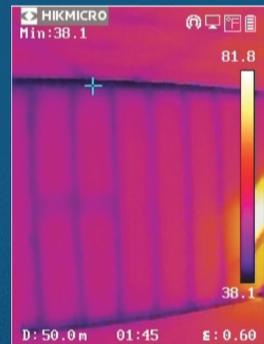


AVG WALL TEMP 75°

### BREAK THE BRIDGE

Thermal photos of two homes were taken on a day where the weather was 32° outside and 77° inside. One home had LP NovaCore sheathing and one had basic OSB sheathing. There's an almost **20° difference** in heat retention between an LP NovaCore wall vs one without.

### AVG WALL TEMP 55°



NO INSULATED PANEL

## THE BOTTOM LINE

### LP NOVACORE OUTPERFORMS

When it matters most, LP NovaCore panel breaks the thermal bridge and outperforms polyiso foam products.



**NovaCore™**  
THERMAL INSULATED SHEATHING



MADE WITH  
**FOAMULAR® NGX™ XPS**

For more information,  
visit [LPCorp.com/NovaCore](http://LPCorp.com/NovaCore)

<sup>1</sup> Thermal Metric Summary Report. Building Science Corporation (June 18, 2015) [https://building-science.com/sites/default/files/migrate/pdf/SC%20Thermal%20Metric%20Summary%20Report\\_2013-10-21.pdf](https://building-science.com/sites/default/files/migrate/pdf/SC%20Thermal%20Metric%20Summary%20Report_2013-10-21.pdf)  
<sup>2</sup> Capturing the Thermal Performance of Foamular Extruded Polystyrene (XPS) vs. Polyisocyanurate (Polyiso) FAQs. Owens Corning. <https://www.owenscorning.com/dms/10019949> <sup>3</sup> Based on 2x4 wood framed, fiberglass-insulated wall with XPS vs. 2x4 wood framed, fiberglass-insulated wall with polyiso.

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