

Why Choose OX-IS?

As a homeowner, choosing OX-IS structural insulated sheathing for your new construction home offers several key benefits that contribute to comfort and energy efficiency.

Energy Efficiency and Cost Savings

- **Continuous Insulation:** A major advantage of OX-IS is that it provides a continuous layer of insulation on the outside of your wall framing. This is crucial for eliminating thermal bridging, which is when heat escapes or enters your home through the uninsulated wall studs. By preventing this, OX-IS helps maintain a more consistent indoor temperature, reducing the workload on your HVAC system.
- **Reduced Air Infiltration:** When installed with the proper seam tape, OX-IS creates a very tight air barrier, which is even better at preventing air leakage than a traditional OSB (oriented strand board) and house wrap system. Less air leakage means fewer drafts and a more efficient home. Some tests have shown a 15-20% reduction in air exchange per hour compared to standard methods.
- **Lower Utility Bills:** By improving your home's thermal performance and air tightness, OX-IS directly leads to lower heating and cooling costs. This provides a long-term financial benefit for the homeowner.

Improved Comfort and Healthier Home Environment

- **Consistent Indoor Temperatures:** By addressing thermal bridging and air leaks, OX-IS helps to eliminate cold spots and drafts, making your home more comfortable year-round.
- **Mitigation of Moisture:** The continuous insulation layer helps to keep the wall cavity warmer, reducing the chance of condensation forming on the inside of the sheathing. The US Department of Energy and EPA state that this can lead to a healthier home environment by reducing the potential for mold and mildew growth.



THERMAL IMAGE OF A STRUCTURE BUILT WITHOUT INSULATED SHEATHING



Without continuous insulation, heat loss through framing (thermal bridging) is significant.

THERMAL IMAGE OF THE SAME STRUCTURE BUILT WITH 1/2" (R-3) OF CONTINUOUS INSULATION



1/2" of continuous insulation greatly reduces heat loss through wall framing and improves on cavity performance.