ISOBRACE **OSB**
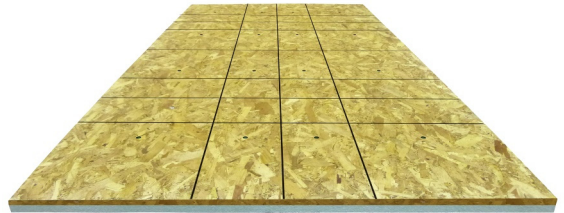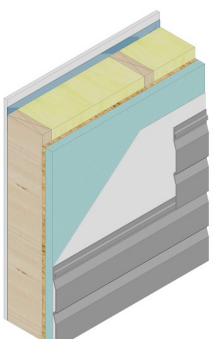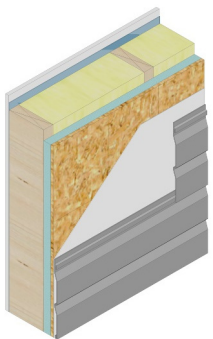
Composite panel consisting of expanded polystyrene insulation laminated to a perforated 7/16" Oriented Strand Board (OSB).

- Contributes to the structural strength of the building's walls.
- Eliminates thermal bridging: provides continuous insulation.
- Perforated OSB panel to increase water vapour permeability.
- Fast and easy installation.

Structural Insulating Panel - Installation

1| Panel orientation - two methods

OSB against frame	Insulation against frame
• Requires that the nail heads are driven through the insulation and firmly pressed against the OSB.	• Allows use of a standard fastening tool. Enables the OSB panel to be used as a nailing base for cladding. Provides additional bracing strength when interior finish is installed in conformance to wall bracing requirements.

Required Nail Length		
1 5/16" panel	1 9/16" panel	2 3/16" panel
2 3/8" to 2 1/2" *According to manufacturer of nailer for structural insulating panels.*	N/A	

Required Nail Length		
1 5/16" panel	1 9/16" panel	2 3/16" panel
Min. 2 1/2"	Min. 3"	Min. 3 1/2"

- To ensure product's structural rigidity, nails must be firmly seated against the Oriented Strand Board (OSB).
  - ◊ In areas requiring resistance to seismic forces, installer must verify and confirm the applicable bracing requirements.
- Good building practices recommend leaving a 1/8" gap between OSB panels.
- Using 48" x 108" panels allows insulation of joists and headers.

2 | Nailing
- Attach the panels with appropriates nails.
  - ◊ Common, spiral or ring nails shall be used.
- Recommended spacing between nails
- ◊ 6" o/c along edge supports, max.
- ◊ 12" o/c along intermediate supports, max.

3 | Air / weather tightness
- Install the air/weather barrier membrane.
- Seal all discontinuities in sheathing surface (e.g. penetrations, electrical fixtures, plumbing equipment) and ensure air and water tightness at openings (e.g. windows, doors).
- Install exterior cladding.

Details on page 2.

ISOBRACE **OSB**

Tools & Accessories

- Hand saw.
- Hammer and/or drill.
- Specialized or standard pneumatic fastening tool.
- Common, spiral or ring nails.

- Wood furring (optional).
- Air/weather barrier membrane.
- Sealing tape.
- Exterior cladding.

ISOBRACE OSB Nailing Pattern

OSB against frame

If **ISOBRACE OSB** is installed with OSB against the frame, installer can use a specialized fastening tool such as SENCO's SCN63LDXP or equivalent. This nailing system ensures that the sheathing nails are secured with their heads seated on the surface of the OSB. STANDARD NAILERS MUST NOT BE USED FOR THIS INSTALLATION METHOD.

- Only use SENCO's SCN63LDXP nailer. Not suitable for 2 3/16" **ISO**BRACE **OSB**.
- Use the 3/8" thick R3 spacer on the SENCO SCN63LDXP nailer when fastening 1 5/16" and 1 9/16" **ISO**BRACE **OSB**.
- Only use SENCO 2-3/8" x 0.113" 15° GL24APBF nails for installation.

For technical details, refer to the Product Data Sheet.

Limitations
Combustible if exposed to an open flame or other substantial and sustained source of ignition. Avoid contact with petroleum-based solvents or their vapours. Avoid prolonged exposure to direct sunlight.

Safety
Product Safety Data Sheets are available on the Isolofoam Group website. Dust mask has to be used to avoid breathing dust generated from sanding or cutting the product. The product is combustible and should be protected from ignition sources such as open flames or welding torches. For fire safety, insulation must be separated from interior by a thermal barrier such as drywall or concrete.

Storage specifications
When possible, indoor storage is recommended. If stored outdoors, cover the panels with a plastic sheeting (tarp) to protect them from bad weather and ultraviolet rays. Cover must allow air circulation. Store and handle panels flat. Use at least three (3) supports on the 8-foot length, one at center and the others at approximately 16" (40 cm) from ends to reduce the risks of deformation. Product must be stored at least 4" (10 cm) from the ground.