Energy Tip
Continuous insulation over your exterior walls eliminates thermal bridging, increasing your total effective RSI/R-value. This reduces energy costs and increases your energy savings.

Features & Benefits
- Meets CAN/ULC-S701, Type II
- Long term RSI - 0.70/25 mm
  R-value 4.04/inch
- Compressive resistance: 16 psi
- Closed cell insulation resists moisture
- CCMC 12425-L
- Custom sizes available
**DuroFoam® Plus Insulation**

**EXTERIOR INSULATING SHEATHING**

Continuous insulating sheathing over the exterior eliminates thermal bridging and reduces air infiltration.

<table>
<thead>
<tr>
<th>MILLIMETERS</th>
<th>RSI</th>
<th>INCHES</th>
<th>R-VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>0.53</td>
<td>¾”</td>
<td>3.03</td>
</tr>
<tr>
<td>25</td>
<td>0.70</td>
<td>1”</td>
<td>4.04</td>
</tr>
<tr>
<td>38</td>
<td>1.06</td>
<td>1 ½”</td>
<td>6.06</td>
</tr>
<tr>
<td>50</td>
<td>1.40</td>
<td>2”</td>
<td>8.08</td>
</tr>
<tr>
<td>75</td>
<td>2.10</td>
<td>3”</td>
<td>12.12</td>
</tr>
</tbody>
</table>

1. **Follow the building code.**
   - Be sure to follow the building code requirements applicable in your region.

2. **Plan the joints.**
   - Apply the insulating sheathing board over the exterior of wood framing with all vertical edges of boards butted tightly together over stud locations for adequate support.

3. **Use correct fasteners.**
   - Insulation board must be fastened to framing using fasteners with heads or washers at least 1/2” diameter where the cladding will be applied directly against the insulation. Fasteners with heads or washers at least 1” diameter must be used where an air space will exist between the insulation board and the cladding (e.g. brick cladding).

4. **Install sheathing membrane.**
   - Sheathing membrane to be installed as per local building code requirements.

5. **Install exterior cladding.**
   - Follow cladding manufacturer instructions and building code requirements for installation of exterior finishing materials.

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**NBC 2005, Table 9.23.16.2.A./NBC 2010 Table 9.23.17.2.A.**

Wall Continuous Insulating Sheathing Thickness and Specifications

Forming part of NBC 2005 Sentence 9.23.16.2.(1)/NBC 2010, Sentence 9.23.17.2.(1)

<table>
<thead>
<tr>
<th>Type of Sheathing</th>
<th>Minimum Thickness, mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>With Supports 400 mm o.c.</td>
</tr>
<tr>
<td>DuroFoam Insulation</td>
<td>38</td>
</tr>
<tr>
<td>DuroFoam Plus Insulation</td>
<td>38</td>
</tr>
<tr>
<td>DuroFoam 25 Insulation</td>
<td>25</td>
</tr>
</tbody>
</table>

Notes to Table:
1. Minimum thickness applies for insulating sheathing when exterior walls and gable ends must be sheathed when the exterior cladding requires intermediate fastening between supports or if the exterior cladding requires solid backing.
2. Where wood shingles or shakes are applied over insulating sheathing, the shingles or shakes must be attached to a wood lath not less than 38 mm by 9.5 mm thick securely nailed to the framing.
3. Minimum thickness of continuous insulating sheathing applied to the exterior of wood frame walls must also comply with regional requirements for ratio of outboard to inboard thermal resistance (see Plasti-Fab PIB 287 for additional guidance.

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