**DURABLE, COST-SAVING, AND FASTER INSTALLATION**

Exclusively using BASF Neopor® GPS (Graphite Polystyrene) rigid foam in conjunction with Barricade® Thermo-Brace™, Thermo-Brace® S.I.B.™ is a reversible, lightweight, 4-in-1 structural sheathing solution that provides four layers of enforced protection against water, moisture vapor, mold, and more. Thermo-Brace S.I.B. is today’s energy-efficient and cost-effective insulative solution for architects, contractors, and builders.

**WHAT IS THERMO-BRACE S.I.B.?**

- Structural Insulative Board
- Complies with the energy code using 2”x4” conventional framing instead of 2”x6”
- Reduces thermal bridging

**LESS THAN HALF THE WEIGHT**
OF OSB, PROVIDING AN EASIER INSTALL THAT CUTS DOWN ON LABOR TIME (AND COST).*

**SAVE UP TO 30% IN COSTS**
ON FULL SYSTEM INSTALL MATERIAL WHEN BUILDING TO MEET 2018 ENERGY CODES.*

*When compared to OSB system install

- Improved Long-Term Thermal Resistance (LTR)
- Weather-Resistant Barrier (WRB) on both sides
- Increased resistance against mold

- Stable pricing
- Material savings
- Reduced energy costs
- Reduced labor costs due to faster install

**Code compliant**
- Complies with the 2012, 2015, and 2018 International Energy Codes for continuous insulative sheathing
- Neopor GPS is GREENGUARD certified for Gold Indoor Air Quality
- Non-toxic materials

**Ease of installation**
- One product install, instead of three
- Can be used up to 24-inch on-center
- Reversible installation capability
- Lightweight structure
SAFE-REFLECTIVE FACER (WRB)
Weather Resistant Barrier (WRB) specially designed and guaranteed to not overheat vinyl.

Neopor® GPS
Unlike polyiso and XPS, Neopor GPS doesn’t use HFC gas agents for R-value, which can deplete over time. XPS only retains 90% of it’s initial R-value over its lifetime and the R-value of Neopor GPS is up to 30% higher than EPS (white foam).

BARRICADE THERMO-BRACE STRUCTURAL SHEATHING
Thermo-Brace is a thin wall structural sheathing, with a composite core that provides the structural strength required while offering more weather-resistant barrier than OSB. It costs less than OSB or ZIP System® and is lighter, easier to handle, cut, and install.

THERMO-BRACE W/ NON REFLECTIVE FACER (WRB)
Additional weather resistant barrier protection on the reverse side. Reversible installation allows for this side to be faced out or in.

Insulation requirements as defined by the 2015 IECC
U.S. Department of Energy Section R402

<table>
<thead>
<tr>
<th>Climate Zone</th>
<th>Wood Frame Wall R-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>13</td>
</tr>
<tr>
<td>2</td>
<td>13</td>
</tr>
<tr>
<td>3</td>
<td>20 or 13+5*</td>
</tr>
<tr>
<td>4 except Marine</td>
<td>20 or 13+5*</td>
</tr>
<tr>
<td>5 and Marine 4</td>
<td>20 or 13+5*</td>
</tr>
<tr>
<td>6</td>
<td>20+5 or 13+10*</td>
</tr>
<tr>
<td>7 and 8</td>
<td>20+5 or 13+10*</td>
</tr>
</tbody>
</table>

*a This value is cavity insulation, second is continuous insulation; B: *13+5* means R:13 cavity insulation plus R:5 continuous insulation.

MAKE THE SWITCH TO OUR
4-IN-1 REVERSIBLE SHEATHING SOLUTION

1 WEATHER RESISTANT
Replaces the need to acid additional outside WRB protection, yet still protects against rain, water vapor, heat, cold, and more.

2 AIR BARRIER
Meets AIB requirements while providing improved air barrier properties, increased indoor air quality, and fire resistance.

3 R-VALUE
Two 2018 energy code options, R3 and R5, designed to resist heat flow and temperature conduction while offering outstanding thermal break system.

4 STRUCTURAL
Both options can be used in place of OSB. R3 and R5 both meet structural requirements with test results you can trust.

SPECIFICATIONS
Uses standard, readily available staple guns!

Technical Certifications
Green: TER 1709-07
Red: TER 1703-16

<table>
<thead>
<tr>
<th>Technical Certifications</th>
<th>Composition</th>
<th>Standard Sizes</th>
<th>Optional Sizes</th>
<th>Sheets/ Pallet</th>
<th>Thickness</th>
<th>Fasteners</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green: TER 1709-07/ Red: TER 1703-16</td>
<td>Barricade® Thermo-Brace™ with BASF Neopor® GPS</td>
<td>48” x 96”</td>
<td>48” x 108”</td>
<td>48” x 120”</td>
<td>48” x 120”</td>
<td>48¼” x 120”</td>
</tr>
</tbody>
</table>

Foam Outward:
R3: ¾” x 1½” leg 16-ga. staples  
R5: ¾” x 2” leg 16-ga. staples

Foam Inward:
R3: ¾” x 1½” smooth-shank roofing nail  
R5: 1½” x 1½” ring-shank roofing nail

Find more information at: barricadebp.com/thermo-brace-sib  
1-877-832-0333

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