Noise proliferation is becoming a stronger irritant every day. That’s why smart buyers have shown great interest in homes built with noise reduction in mind. It’s also why we introduced QuietBrace™, a sound-deadening, structural sheathing that helps you put some strength into noise control. You see, QuietBrace not only provides a significantly better noise-reduction coefficient than common wood structural sheathings, it also delivers code-recognized wall bracing. And, by combining both benefits in one product, QuietBrace saves you installation time, money and labor. So give your homebuyers the more peaceful environment they want, and listen to the positive response. That’s a sound you’ll never get tired of hearing.

Discover QuietBrace™ Sound-Deadening, Structural Sheathing

Ten reasons every home needs stronger noise control.
QuietBrace™ delivers structural strength and increased noise control in one package.

QuietBrace™ sound-deadening structural sheathing offers a combination of code-recognized bracing strength and sound control that’s unmatched by any other structural sheathing.

**Sound control and insulation**

Instead of transmitting and adding resonance to sound waves, QuietBrace structural wall sheathing helps block airborne sound waves and absorbs surface-to-surface vibration transfer to reduce sound transmitted through dense building materials such as wood and masonry. In fact, QuietBrace’s NRC value is about twice that of OSB or plywood. In addition, QuietBrace increases the R-value of the wall assembly. Its insulating properties are approximately 140% more effective than wood structural panels.

**Code-compliant structural strength**

QuietBrace is certified to conform to the structural-grade fiberboard standard, ASTM C208. That makes QuietBrace acceptable in both the IBC and the IRC as a wall bracing sheathing in conventional light-frame construction and when design for wind is required. QuietBrace is also acceptable in Seismic Categories A, B and C, as well as for the demanding provisions in Categories D3, D3, and D3. Check the IBC for specific requirements and see ICC Evaluation Services ESR-1519.

**Approved for fire-rated assemblies**

QuietBrace structural sheathing is approved by Underwriters Laboratories as a wall assembly component for multi-family and commercial wall systems requiring a one-hour fire rating in accordance with UL assembly U356 (interior wall to flame).

**Efficient 10-foot length**

QuietBrace is available in 4-foot widths and 8-, 9-, and 10-foot lengths. The longer lengths increase installation efficiency by reducing piecing and fitting on 9- and 10-foot walls.

**No-added urea formaldehyde**

QuietBrace is a no-added-urea-formaldehyde material. It is manufactured with 100% southern pine wood chips and pre-jell corn starch as a binder. True asphalt is applied as a coating to enhance water resistance.

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**Installation**

QuietBrace may be installed vertically with the long edges parallel to the studs or horizontally with the long edges perpendicular to the studs. Center all joints over the framing members with a 1/8” gap between edges. Leave a 1/8” minimum gap at doors and windows. Only full panels serve as bracing and must extend from sill to top plate. Horizontal joints must be backed with framing for proper fastening. Fasteners should be spaced 3” o.c. along the edges and 6” o.c. in the field of each panel used for bracing. Suitable fastener types are minimum 1 1/2” 11-ga galvanized roofing nails or 1 1/2” corrosion-resistant construction staples.

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**PRODUCT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Panel Size</th>
<th>Packaging</th>
<th>Insulation R Value*</th>
<th>Density</th>
<th>Tensile Strength</th>
<th>Transverse Strength</th>
<th>Water Absorption</th>
<th>Vapor Permeance</th>
<th>Surface Burning Properties</th>
<th>Sound Transmission Class (STC)**</th>
<th>Noise Reduction Coefficient (NRC)***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2”</td>
<td>4’ x 8’</td>
<td>90 sheets/ unit [1/2”]</td>
<td>1.31 at 1/2” thick</td>
<td>21-25 lbs./ cu. ft</td>
<td>Parallel to surface: 200 psi. min.</td>
<td>20 lbs. min.</td>
<td>15% max. 24 hr. [1/2”] 7% max. 2 hr. [5/8”]</td>
<td>Flame spread &gt; 75 (Class III) Smoke developed &lt; 300</td>
<td>26</td>
<td>0.30</td>
<td></td>
</tr>
<tr>
<td>25/32” (Special Order)</td>
<td>4’ x 8’</td>
<td>60 sheets/ unit [5/8”]</td>
<td>2.06 at 25/32” thick</td>
<td>24 hr. [1/2”] 7% max. 2 hr. [5/8”]</td>
<td>5 grains/h·ft²·in Hg min.</td>
<td>24</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/4”</td>
<td>4’ x 10’</td>
<td>90 sheets/ unit [3/4”]</td>
<td>3.10 at 3/4” thick</td>
<td>175 lbs./ cu. ft</td>
<td>Parallel to surface: 300 psi. min.</td>
<td>30 lbs. min.</td>
<td>20% max. 24 hr. [3/4”] 10% max. 2 hr. [7/8”]</td>
<td>Flame spread &gt; 120 (Class III) Smoke developed &lt; 300</td>
<td>30</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*R means resistance to heat flow. The higher the R value, the greater the insulating value. ** Based on ASTM E890. ***Based on ASTM E795