The tests of shipping, rough job site handling and severe weather conditions separate the strong insulations from the rest.

STURDY-R™ has the muscle to withstand adverse conditions.

An insulation product’s strength is often associated with its ability to keep a house comfortable and energy efficient. There are times, however, when your insulation needs extra resilience to stand up to excessive job site abuse, so you can avoid costly repairs or product replacement. STURDY-R™ polyisocyanurate insulation helps builders face such rough conditions without enduring extra costs for damaged insulation boards.

STURDY-R insulation is the solution for challenging installation environments for builders. It is one of the strongest, most damage-resistant foam sheathings available. STURDY-R insulation is versatile and can be used in numerous residential applications. It is designed to withstand the less-than-ideal situations sometimes present during shipping and on the job site.

Benefits

What gives STURDY-R insulation its exceptional strength are two highly durable exterior facers that sandwich a closed-cell polyisocyanurate foam core. These proprietary fiberglass facers are bonded to the foam core with a superior resin, making STURDY-R insulation the best choice when durability is the primary consideration. Recommended for wall sheathing in residential applications,
DURABLE, YET EASY TO HANDLE AND INSTALL

Just because STURDY-R™ insulation can stand up to harsh job site conditions doesn’t mean it’s hard to handle. Remarkably durable STURDY-R insulation is lightweight and easy to cut to specific shapes and sizes. A range of available thicknesses and board sizes enable energy-efficient designs at the lowest material cost (Table 1).

Simply fastened with nails or staples, STURDY-R insulation installs quickly and easily to wood or metal studs and masonry substrates. And the fibrous composition of STURDY-R allows it to accept a staple from a high-pressure staple gun better than most other insulations.

MEETS R-VALUE NEEDS

STURDY-R insulation is produced in a range of R-values¹ to fit your specific needs. Compliance with energy code requirements is simplified for conventional 2" x 4" frame construction and supplemental fiberglass insulation.

STURDY-R insulation covers the entire wall surface as well—not just the area between the studs. Wood framing (studs) can account for up to 25 percent of the wall area, which means one quarter of a typical home’s surface is uninsulated. This creates a thermal short circuit and lets energy escape from your home. Providing an envelope of STURDY-R insulation to a home can help you reduce this energy loss.

Table 1: Available Sizes of STURDY-R Polyisocyanurate Insulation¹

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Board Size</th>
<th>R-Value²</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>4' x 8'; 4' x 9'</td>
<td>2.5</td>
</tr>
<tr>
<td>.59&quot;</td>
<td>4' x 8'; 4' x 9'</td>
<td>3.0</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>4' x 8'; 4' x 9'</td>
<td>4.0</td>
</tr>
<tr>
<td>1&quot;</td>
<td>4' x 8'; 4' x 9'</td>
<td>5.0</td>
</tr>
</tbody>
</table>

¹Not all product sizes are available in all regions. Please contact your local Dow sales representative for specific product availability in your area.

²R-value means resistance to heat flow. The higher the R-value, the greater the insulating power. R-value determined by ASTM C518.

HIGHLY VERSATILE APPLICATIONS – INCLUDING RESIDING

Install STURDY-R insulation as exterior sheathing in residential applications wherever you would use more traditional sheetings.² As a rigid substrate, STURDY-R insulation can be used for nearly any type of siding. It is easy and cost-efficient to install under most exterior claddings and provides a smooth, strong base for residing. With a perm rating of about 3, STURDY-R is one of the higher perm insulating sheetings on the market.

When you need an insulation sheathing to deliver tough, durable performance to reduce damage—and costs—on the job site, STURDY-R insulation is your solution.

³Consult with your local building code department for sheathing requirements.