**Product Data Sheet**

**Description**
EcoTouch® Sonobatts® insulation is flexible, fiberglass insulation, made in R-values from 11 to 19. Sonobatts® insulation is available plain, or faced with a kraft vapor retarder. The product is manufactured in thicknesses from 3½” to 6¼”.

**Uses**
Sonobatts® insulation is designed for use over suspended ceiling panels to economically improve both the noise control and thermal performance of new or existing ceiling systems. The product is sized to fit over standard ceiling tiles.

**Features and Benefits**
**Excellent Thermal Performance**
The excellent thermal resistance of Sonobatts® insulation may help reduce both the size requirements and operating costs of HVAC equipment. An optional kraft vapor retarder facing is available where needed.

**Acoustically Effective**
Sonobatts® insulation can improve the ceiling Sound Transmission Class (STC) rating by 4-10 points.

In addition, when placed on a suspended ceiling above a floor to ceiling partition, Sonobatt insulation reduces room to room noise transfer over the top of the partition.

**Resists Fiber Erosion**
When Sonobatts® insulation is used in a return air plenum for acoustical benefit, the unfaced insulation has been tested according to UL 181 air erosion test and can be used for air velocities up to 1,000 fpm.

**Design Considerations**
**Caution:** Kraft paper facing will burn. Do not leave exposed. Facing must be installed in substantial contact with an approved ceiling, floor or wall material. Keep open flame and other heat sources away from facing. See packaging for warnings, fire hazard and installation instructions, or call 1-800-GET-PINK®.

Neither the insulation nor its facing should be relied upon to provide an air barrier. Failure to provide an adequate air barrier could lead to loss of thermal control, discomfort of the building occupants and frozen pipes.

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**Product Data**
EcoTouch® Sonobatts® Insulation

<table>
<thead>
<tr>
<th>Application</th>
<th>Width</th>
<th>Length</th>
<th>Thickness</th>
<th>R-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling</td>
<td>24” (609mm)</td>
<td>48” (1,199mm)</td>
<td>3.5” (89mm)</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>24” (609mm)</td>
<td>48” (1,199mm)</td>
<td>3.5” (89mm)</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>24” (609mm)</td>
<td>48” (1,199mm)</td>
<td>6.25” (159mm)</td>
<td>19</td>
</tr>
</tbody>
</table>

1. Tested per ASTM C518

**Technical Data**
EcoTouch® Sonobatts® Insulation

<table>
<thead>
<tr>
<th>Property (unit)</th>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensional Stability (shrinkage)</td>
<td>ASTM E84</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>Surface Burning Characteristics (flame spread/smoke developed)</td>
<td>Kraft faced</td>
<td>NR</td>
</tr>
<tr>
<td></td>
<td>Unfaced</td>
<td>ASTM E84</td>
</tr>
<tr>
<td>Critical Radiant Flux (W/cm²)</td>
<td>ASTM E970</td>
<td>&gt;0.12</td>
</tr>
<tr>
<td>Water Vapor Permeance (perms)</td>
<td>Kraft faced</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Unfaced</td>
<td>ASTM E96</td>
</tr>
<tr>
<td>Water Vapor Sorption (by weight)</td>
<td>Kraft faced</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>Odor Emission</td>
<td>ASTM CI104</td>
<td>pass</td>
</tr>
<tr>
<td>Corrosion Resistance</td>
<td>ASTM C665, part 13.8</td>
<td>pass</td>
</tr>
<tr>
<td>Fungi Resistance (fiberglass only)</td>
<td>ASTM CI338</td>
<td>pass</td>
</tr>
<tr>
<td>Property Combustion characteristics (fiberglass only)</td>
<td>ASTM E136</td>
<td>pass (noncombustible)</td>
</tr>
</tbody>
</table>

1. ASTM E84 is used solely to measure and describe properties of products in response to heat and flame under controlled laboratory conditions, and should not be used to describe or approve the fire hazard of materials under actual fire conditions. However, the results of these tests may be used as elements of a fire risk assessment that takes into account all of the factors of the fire hazard of a particular end use. Values are reported to the nearest five rating.

2. Dessicant method
Maximum thermal performance is obtained by minimizing the number of penetrations in the ceiling. Surface mounted lighting and large ceiling panels, 48" x 48", can be utilized to reduce penetrations and improve thermal performance.

In thermal applications, the area above the insulation should not act as a return air plenum. This would render the insulation thermally ineffective as the air space above the ceiling would be at the same temperature as the room below. Thermal insulation in return plenum areas would best be added at the roof and side walls.

Insulation installed too close to light fixtures may affect the luminaire’s performance. Do not install insulation on top of or within 3" of recessed light fixtures unless the fixtures are approved for such use. This is a requirement of the National Electric Code.

Consult the ceiling panel manufacturer for information on time-design hourly fire resistance rated assemblies and maximum backloading recommendations.

Applicable Standards
EcoTouch® Sonobatts® Insulation is manufactured to meet the physical properties requirements of ASTM C 665.

Installation
Sonobatts® insulation is installed in suspended ceiling systems by simply laying them on top of the panels in the suspended ceiling system. Sonobatts® insulation should fit tightly together to reduce the amount of heat loss.

Product should be kept dry during shipping, storage and installation.

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GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

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