General Product Information:
ROXUL® products are mineral wool fibre insulations made from basalt rock and slag. This combination results in a non-combustible product with a melting point of approximately 2150°F (1177°C), which gives it excellent fire resistance properties. ROXUL mineral wool is a water repellent yet vapour permeable material.

Description & Common Applications:
COMFORTBOARD® CIS, is a rigid, high density, mineral wool insulated sheathing board that is non-combustible, water repellent, fire resistant and sound absorbent. This product is designed for exterior non-structural commercial and industrial high performance insulation sheathing applications.

Compliance and Performance:
ASTM C 612 Mineral Fiber Block and Board Thermal Insulation Type IVB*
CAN/ULC-S702 Mineral Fibre Thermal Insulation for Buildings Type 1, Complies

Fire Performance:
CAN4 S114 Test for Non-Combustibility Non-Combustible
ASTM E 84 (UL 723) Surface Burning Characteristics Flame Spread = 0 Smoke Developed = 0
CAN/ULC S102 Surface Burning Characteristics Flame Spread = 0 Smoke Developed = 0

Dimensional Stability:
ASTM C 356 Linear Shrinkage 24 Hrs. @ 1200°F (650°C) 0.38 %
ASTM D 2126 Linear change 7 days @ 40°F (-40°C) ambient RH 0.0 %
Linear change 7 days @ 200°F (93°C) ambient RH 0.1 %
Linear change 7 days @ 158°F (70°C) 97 % RH 0.1 %

Moisture Resistance:
ASTM C 1104 Moisture Sorption 0.28 %
ASTM E 96 Water Vapor Transmission, Desiccant Method 2160 ng/Pa·s·m² (35 perm)
ASTM C 209 Water Absorption 1.2 %

Thermal Resistance:
ASTM C 518 (C 177) Mean Temperature R-value/inch RSI value/25.4 mm
25°F (-4°C) 4.3 hr·ft²·F/Btu 0.74 m²K/W
40°F (4°C) 4.2 hr·ft²·F/Btu 0.72 m²K/W
75°F (24°C) 4.0 hr·ft²·F/Btu 0.70 m²K/W
110°F (43°C) 3.6 hr·ft²·F/Btu 0.64 m²K/W

Corrosive Resistance:
ASTM C 665 Corrosiveness to Steel Non-corrosive
ASTM C 665 Corrosiveness to Aluminum Non-corrosive

Fungi Resistance:
ASTM C 1338 Fungi Resistance of Insulation Materials Passed

* Exception: 0.26 at 75°F & 0.27 at 100°F (BTU/in·hr·ft²·°F)
**MASTER FORMAT 1995 EDITION ***MASTER FORMAT 2004 EDITION
Thermal Conductivity:

![Graph showing thermal conductivity vs. mean temperature.]

Acoustical Performance:

<table>
<thead>
<tr>
<th>Thickness</th>
<th>CO-EFFICIENTS AT FREQUENCIES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>125 Hz</td>
</tr>
<tr>
<td>1.0&quot;</td>
<td>0.13</td>
</tr>
<tr>
<td>2.0&quot;</td>
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</tr>
</tbody>
</table>

Compressive Strength:

ASTM C 165 at 10 %: 1220 psf (58 kPa)
ASTM C 165 at 25 %: 1880 psf (90 kPa)

Density:

ASTM C 612-00 - Actual 11.0 lb/ft³ 176 kg/m³

Dimensions:

24" (width) x 48" (length)
610 mm (width) x 1219 mm (length)

48" (width) x 72" (length)
1219 mm (width) x 1829 mm (length)

Thickness:

Product is available in 1", 1.25", 2", 2.5", 3" thicknesses

<table>
<thead>
<tr>
<th>Thickness</th>
<th>R-value</th>
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<tbody>
<tr>
<td>1&quot;</td>
<td>4</td>
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<tr>
<td>1.25&quot;</td>
<td>5</td>
</tr>
<tr>
<td>2&quot;</td>
<td>6</td>
</tr>
<tr>
<td>2.5&quot;</td>
<td>8</td>
</tr>
<tr>
<td>3&quot;</td>
<td>10</td>
</tr>
<tr>
<td>4&quot;</td>
<td>12</td>
</tr>
</tbody>
</table>

Key Application Qualifiers:

- Easy to install
- Non-combustible
- Dimensionally stable
- Low moisture sorption
- Excellent compressive resistance
- Non-corrosive
- Chemically inert
- CFC and HCFC free product and process
- Made from natural & recycled materials

On-Site Storage:

The factory packaging is intended for the protection of the insulation boards during transit and is not intended for job site protection against the elements. When product is stored outdoors, the plastic shroud must be slit and the insulation protected by a waterproof, breathable covering such as a tarpaulin. Insulation must be stored minimum 4 in. (102 mm) above ground and kept on a solid flat surface.

Other ROXUL Products:

Please consult ROXUL for all your insulation needs. We have an extensive range of products for all applications from pipe insulation to commercial products to residential batts. ROXUL invites all inquiries and will act promptly to service all of your requirements.

††"Provisions for lot testing may be required, consult manufacturer."

Note:

As ROXUL Inc. has no control over installation design and workmanship, accessory materials or application conditions, ROXUL Inc. does not warrant the performance or results of any installation containing ROXUL Inc’s products. ROXUL Inc’s. overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.