Product Name: IGLOO Cellulose

Technical Name: Loosely packed cellulosic wood fiber

State: Free flowing-wood base

Color: Gray

Odor: None

Dimensional Weight: 1.49 lbs/ft³

Ph: At 25°C, 2% solution: 7.8

Packaging: 25 lbs / bag

Installation:
- IGLOO Cellulose insulation high efficiency relies on air between the fibers, obtained when the cellulose expands during installation.
- Clear up 1 ft² for 300 ft² of ceiling of air intake.
- Apply in places where temperature does not exceed 194°F
- Install 3 in or more away from chimneys or heat source.
- Wear a respiratory mask at all times during blowing.
- For soundproofing, contact an acoustical engineer.
- For wall insulation, apply enough product to achieve at least 3 lbs/ft³ density (Recommended 360HD nozzle)
- Do not apply on built-in-surface mounted light fixtures without proper and approved IC protection.

Chemical Composition:
- Newsprint fiber C6H10O3
- Boric Acid H3BO3
- Natural additives for dust control

Product Registration:
- Canadian Construction Materials Center (CCMC)
- Technical product / CCMC #08532-L
- Technical product for walls/ CCMC #12835-R
- R & D Services for laboratory tests
- Meets Standards ASTM C-739, 16CFR Section 1209
- Low VOC Emission Certificat #120120-03 (Berkeley Analytical)
- Greenguard Gold Certificat

Date: November 26, 2016
**Technical Data Sheet**

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**Thermal Resistivity:**
- ASTM C518-10
- R = 3.725 per inch

**Surface Combustion Specifications:**
- ASTM C739-11 and ASTM E970-14
- Greater than 0.12 W/cm2

**Smoldering Combustion:**
- ASTM C739-11, section 14
- Less than 15%

**Absorption of Moisture Vapor:**
- ASTM C739-11, section 12
- Less than 20%

**Installation Chart:** Loose Fill Cellulose Bag Label in Accordance with ASTM C739/C1374

<table>
<thead>
<tr>
<th>R at 75°F</th>
<th>Thickness (in)</th>
<th>Min. Wgt</th>
<th>No adjustment for framing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Installed</td>
<td>Settled</td>
<td>lb/ft²</td>
</tr>
<tr>
<td>13</td>
<td>4.41</td>
<td>3.97</td>
<td>0.44</td>
</tr>
<tr>
<td>19</td>
<td>6.09</td>
<td>5.48</td>
<td>0.65</td>
</tr>
<tr>
<td>22</td>
<td>6.95</td>
<td>6.25</td>
<td>0.75</td>
</tr>
<tr>
<td>30</td>
<td>9.25</td>
<td>8.33</td>
<td>1.02</td>
</tr>
<tr>
<td>38</td>
<td>11.57</td>
<td>10.41</td>
<td>1.30</td>
</tr>
<tr>
<td>49</td>
<td>14.77</td>
<td>13.29</td>
<td>1.67</td>
</tr>
<tr>
<td>60</td>
<td>17.98</td>
<td>16.18</td>
<td>2.05</td>
</tr>
</tbody>
</table>

The installed thickness data was generated with a Krenda model 500, using air setting 63,5 and gate setting 5. May vary according to ambient temperature and humidity. Final results will vary according to the application technique, the equipment and the hose used.

<table>
<thead>
<tr>
<th>Corrosiveness:</th>
<th>Cryptogamic Resistance:</th>
<th>Odor Emission:</th>
</tr>
</thead>
<tbody>
<tr>
<td>• ASTM C739-11, Section 9</td>
<td>• ASTM C739-11, Section 11 and ASTM C1338-14</td>
<td>• ASTM C739-11, Section 13</td>
</tr>
<tr>
<td>• No perforations on Aluminium, Copper and Steel coupon</td>
<td>• No fungal growth</td>
<td>• No odor</td>
</tr>
</tbody>
</table>

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