**Product Information**

**Natural, Acoustic Cork Underlayment**

Your First Choice of Underlayment

**Product Description**

*Acoustic Cork* Underlayment is an amazing, natural sound barrier and insulator for various types of flooring material. Cork is an all-natural building solution that offers excellent acoustic and thermal properties. It contains approximately 40 million air pocket cells per cubic inch making it an ideal insulator of sound. Unlike synthetic underlaments that deteriorate after years of heavy use, and ultimately cause floors to sound hollow, cork cells are very stable and sturdy. Cork is known for its consistency and should always be your first choice of underlayment.

**Product Uses**

Cork is the perfect choice for sound reduction and thermal insulation. It has been independently tested for acoustical and thermal values.

**System Warranty**

Corksribas USA offers individual warranties for all products. Corksribas Direct provides you with the pre-installation warranty, while Corksribas Portugal, as the manufacturer, provides you with the post-installation warranty. Please see the individual warranties listed with each SKU for full details.

For job specific warranties, contact Corksribas USA at 609-589-3100.

**Acoustical Rating**

Acoustical rating results below were generated from field testing:

1/2" (12mm) Cork Underlayment

<table>
<thead>
<tr>
<th>12mm Cork on 6&quot; Concrete Slab</th>
<th>IIC</th>
<th>STC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed rating of concrete slab</td>
<td>27</td>
<td>27</td>
</tr>
<tr>
<td>With 12mm underlayment</td>
<td>48</td>
<td>49</td>
</tr>
<tr>
<td>Total</td>
<td>75</td>
<td>76</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12mm Cork on 6&quot; Concrete Slab</th>
<th>IIC</th>
<th>STC</th>
</tr>
</thead>
<tbody>
<tr>
<td>With Suspended Ceiling [approx.]</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Fixed rating of concrete slab</td>
<td>27</td>
<td>27</td>
</tr>
<tr>
<td>With 12mm underlayment</td>
<td>48</td>
<td>49</td>
</tr>
<tr>
<td>Total</td>
<td>89</td>
<td>90</td>
</tr>
</tbody>
</table>

Specific projects have different specifications. Testing available upon request.

**Chemical & Physical Properties**

- **Binder:** Polyurethane Resin
- **Base:** Composition of Cork Granules, size 2-4mm
- **Density:** 190 - 210 Kg/m³
- **Tensile Strength:** 11.7 - 12.5 lbs/ft² - 5.8 Kg/cm²
- **Recovery:** 70+%%
- **Flexibility F5:** Pass
- **Thermal Conductivity:** 0.04 Kcal/m³°C European
- **Flammability:** DIN Standard and B2 Class (US)
- **Dimensional:** Width/Length +/- 0.5 mm
- **Tolerance:** Thickness +/- 0.2 mm
- **Size:** 2' x 3' x 12mm sheets

**Installation**

Be sure to read and understand the data sheet completely before beginning installation.

**Surface Preparation**

Surfaces must be clean, dry and smooth, free of voids, loose materials, and all other surface contaminants. The moisture content should not be more than 3 lbs. per 1000s/ft/24 hours as measured via Calcium Chloride testing. Maximum floor variation is 1/8" in 10'. Concrete slabs requiring patching or leveling should be repaired with portland cement based material.