MATERIAL DESCRIPTION & PROPERTIES

Produced from Recycled and Natural Materials
Impact Noise Reduction and Thermal Insulation Properties
High Durability and Long Term Resilience
High Performance with Reduced Thickness

PRODUCT DESCRIPTION
Agglomerated cork and recycled rubber underlay for impact noise and thermal insulation.

THERMAL PROPERTIES
Thermal Conductivity: 0.08 W/mK (1)
(1) ISO 8301

PHYSICAL AND MECHANICAL PROPERTIES

<table>
<thead>
<tr>
<th>Specific Weight (1)</th>
<th>Tensile Strength (1)</th>
<th>Compression at 0.7MPa (1)</th>
<th>Recovery after 0.7MPa (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 - 700 Kg/m³</td>
<td>&gt; 800 KPa</td>
<td>15%</td>
<td>&gt; 75%</td>
</tr>
</tbody>
</table>

(1) ISO 7322

ACOUSTICAL RESULTS

<table>
<thead>
<tr>
<th>Flooring</th>
<th>Thickness (mm)</th>
<th>ΔLw (dB) (1)</th>
<th>IIC (dB) (2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non Glued Laminate</td>
<td>3</td>
<td>19</td>
<td>47</td>
</tr>
<tr>
<td>Glued Down Wood</td>
<td></td>
<td>16</td>
<td>50</td>
</tr>
<tr>
<td>Ceramic (or Natural Stone)</td>
<td></td>
<td>16</td>
<td>51</td>
</tr>
<tr>
<td>LVT</td>
<td></td>
<td>19</td>
<td>51</td>
</tr>
</tbody>
</table>

(1) ISO 10140-3 and ISO 717-2 • (2) ASTM E492-09 & ASTM E989-08

STANDARD DIMENSIONS

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Width (m) x Length (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>1 x 10</td>
</tr>
</tbody>
</table>

Others sizes available upon request

CASTOR CHAIR RESISTANCE
Pass (1)
(1) EN 425-2002
ACOUSTICAL RESULTS

Ref. Test Report | Thickness | Flooring | $L_{n,r}(C_p)$ | $\Delta L_w(C_p)$
---|---|---|---|---
ACU 337/11 | 3 mm | Non Glued Laminate | 59 (2) dB | 19 (-13) dB
ACL 127/15 | | Glued Down Wood | 62 (0) dB | 16 (-11) dB
ACL 203/14 | | Ceramic (or Natural Stone) | 62 (-1) dB | 16 (-10) dB
ACL 199/14 | | LVT | 59 (0) dB | 19 (-11) dB

ACOUSTICAL RESULTS

| Thickness | Flooring | IIC$_c$
---|---|---
3 mm | Non Glued Laminate | 47 dB
| Glued Down Wood | 50 dB
| Ceramic (or Natural Stone) | 51 dB
| LVT | 51 dB
**PHYSICAL AND MECHANICAL PROPERTIES**

**LOAD DEFLECTION**

![Graph showing load deflection]

**CREEP DEFLECTION @ 0.0045MPa (% OF START HEIGHT)**

![Graph showing creep deflection]

---

**DYNAMIC STIFFNESS**

Test procedure according ISO 9052-1 and ISO 7626-5 standards.

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Dynamic Stiffness (MN/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>98</td>
</tr>
</tbody>
</table>

---

**INSTALLATION**

**GLUED FLOORS**

1. Reinforced concrete slab
2. Adhesive
3. Agglomerated cork and recycled rubber resilient layer - 166
4. Floor covering composed by glued down wood, ceramic or nature stone
5. Perimeter insulation barrier

**NON GLUED FLOORS**

6. Floor covering composed by non glued laminate floor
General Installation Instructions
The following installation instructions are recommended by Amorim Cork Composites, but are not intended as a definitive project specification. They are presented in an attempt to be used with recommended installation procedures of the flooring manufacturers.

Room Conditions
Temperature > 10°C / Room moisture content < 75%.

Subfloor
All subfloor work should be structurally sound, clear and level. The moisture content of the subfloor should not be more than 2.5% (CM) by weight measured on concrete subfloors.

Vapor Insulation Barrier (only for Non Glued Floors)
PE (Polyethylene) vapor insulation barrier covering the entire flooring area, minimum 50mm wide vertically around the perimeter of the entire floor MUST be installed prior to the Acousticork T66. Install by overlapping (minimum 100mm) the PE foil, and use an adequate tape to adhere/fix it, if necessary. After completion, PE foil should cover the entire concrete area without gaps. Never mechanically fasten the PE foil barrier with screws, nails or staples as this will severely diminish the performance of the insulation barrier.

Installation Instruction for Acousticork T66
Unpack the Acousticork T66 at least 24h before the installation and store it in the room where the installation will take place. Cut the T66 to desired length and install directly over the entire floor pulled 30mm up the walls with crown of the rolled materials up (Acousticork label side down), removing all trapped air. After completion, the T66 should cover the entire flooring area without gaps and with joints butted tight and preferably taped.

Final Flooring
Always follow manufacturers recommended installation instructions.

Recommended Adhesives:
Wood floor to Acousticork: Water-Based Emulsion/Polyurethane Glue; Vinyl and linoleum to Acousticork: Water-Based Emulsion/Synthetic Resin Glue; Ceramic to Acousticork: Flexible Cement Glue; Acousticork to slab/screed: Water-Based Emulsion/Acrylic Adhesives;

Application Process
NON GLUED FLOORS:

GLUED FLOORS:
1. Perimeter barrier application; 2. Underlay application (glued); 3. Final floor application (glued); 4. Perimeter insulation barrier cut.

Important Notes
Never mechanically fasten the Acousticork T66 to the flooring floor as this will severaly diminish its acoustical value.

For detailed installation instructions, please contact us.

The data provided in this Material Data Sheet represents typical values. This information is not intended to be used as a purchasing specification and does not imply suitability for use in a specific application. Failure to select the proper product may result in either equipments damage or personal injury. Please contact Amorim Cork Composites regarding specific application recommendations. Amorim Cork Composites expressly disclaims all warranties, including any implied warranties or merchantability or of fitness for a particular purpose. Amorim Cork Composites is not liable for any indirect special, incidental, consequential, or punitive damages as a result of using the information listed in this MDS. Any of its material specification sheets, its products or any future use or re-use of them by any person or entity.