**DESIGN AND SPECIFICATIONS**

**Use of the Product**
Ecophon Solo panels are a high performance sound absorber, capable of being used as the primary acoustic solution when a traditional acoustic ceiling is neither feasible nor aesthetically desirable. Ecophon Solo is a unique free-hanging unit offering a myriad of design possibilities which can be achieved through various color and suspension options.

**Size Availability**
1200mm x 1200mm (≈ 47.25” x 47.25”)
Thickness: 40mm (≈1.5”)

**Surfaces**
Ecophon Solo panels are manufactured from high-density fiberglass, boasting an industry-high recycled content (70% post-consumer). The surface itself consists of the Akutex™ FT finish, which is highly light reflective [85%] and has exceptional light diffusion [+99%]. The Akutex™ FT finish covers both sides of the panel.

**Accessibility**
The panels are easily demountable.

**Influence of Climate**
Install in conditions that do not exceed 70% relative humidity and 77-degrees Fahrenheit

**Edge Detail**
The panels have square edges that are fully painted.

**Attachment**
There are two methods for attachment for the panels. The first is the use of adjustable wire hangers for variable elevations. The second is the use of adjustable brackets for applications close to the structure. Method of attachment to the structure of any accessory is provided by others.

**Weight**
The 1200mm x 1200mm x 40mm panels have an approximate weight of 13.2 lbs.

**Handling**
Use clean cotton gloves when handling product.

**Cleaning**
Daily dusting and vacuum cleaning. Weekly wet wiping.

**Fire Performance**
Panels have been tested according to ASTM E84 (Flame Spread ≤ 25) and ASTM E1263 (Smoke Development ≤50).
Installation for Ecophon® Solo™ Square Ceiling Panels
1200mm x 1200mm (≈ 47.25" x 47.25")
Read the entire manual before installing.

Minimum Overall Depth of System:
Alt. 1 ≥ 140mm (5.5")          Alt. 2 ≥ 121mm (4.75")

1. Ecophon Solo Square
   1200mm x 1200mm (≈ 47.25" x 47.25")

2. Connect adjustable wire hanger

3. Connect absorber anchor

4. Connect adjustable bracket

5. Connect fixing plate

6. Connect spiral anchor
Installation for Ecophon® Solo™ Square Ceiling Panels
1200mm x 1200mm (≈47.25" x 47.25")

Alt. 1

Alt. 2

1

10

16

19
Installation for Ecophon® Solo™ Square Ceiling Panels—Connect Adjustable Wire Hanger Application

1200mm x 1200mm (≈ 47.25" x 47.25")
Installation for Ecophon® Solo™ Square Ceiling Panels – Connect Adjustable Wire Hanger Application

1200mm x 1200mm (≈ 47.25" x 47.25")

During installation do not over-torque the anchor and damage the panel.
Installation for Ecophon® Solo™ Square Ceiling Panels–Connect Adjustable Wire Hanger Application
1200mm x 1200mm (≈ 47.25" x 47.25")
Installation for Ecophon® Solo™ Square Ceiling Panels – Connect Adjustable Wire Hanger Application

1200mm x 1200mm (≈ 47.25” x 47.25”)

### Table

<table>
<thead>
<tr>
<th>$\alpha$</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>15°</td>
<td>22.8</td>
</tr>
<tr>
<td>30°</td>
<td>20.5</td>
</tr>
<tr>
<td>45°</td>
<td>16.7</td>
</tr>
<tr>
<td>60°</td>
<td>11.8</td>
</tr>
</tbody>
</table>
Installation for Ecophon® Solo™ Square Ceiling Panels—Connect Adjustable Wire Hanger Application
1200mm x 1200mm (≈ 47.25" x 47.25")
Installation for Ecophon® Solo™ Square Ceiling Panels – Connect Adjustable Bracket Application

1200mm x 1200mm (≈ 47.25" x 47.25")

Method of attachment to the structure of any accessory is provided by others.
Installation for Ecophon® Solo™ Square Ceiling Panels—Connect Adjustable Bracket Application

1200mm x 1200mm (≈ 47.25" x 47.25")
Installation for Ecophon® Solo™ Square Ceiling Panels – Connect Adjustable Bracket Application

1200mm x 1200mm (≈ 47.25" x 47.25")
Installation for Ecophon® Solo™ Square Ceiling Panels—
Hole Placement Without Panel Support
1200mm x 1200mm (≈ 47.25" x 47.25")
Installation for Ecophon® Solo™ Square Ceiling Panels—
Hole Placement Without Panel Support

1200mm x 1200mm (≈ 47.25" x 47.25")
Installation for Ecophon® Solo™ Square Ceiling Panels–Hole Placement With Panel Support

1200mm x 1200mm (≈ 47.25" x 47.25")

<table>
<thead>
<tr>
<th>Hole Size</th>
<th>Space Between Holes</th>
<th>Weight per Hole</th>
<th>Total Weight Across All Holes</th>
</tr>
</thead>
<tbody>
<tr>
<td>less than 4&quot;</td>
<td>at least 6&quot;</td>
<td>1 lbs or less</td>
<td>5 lbs or less</td>
</tr>
<tr>
<td>less than 4-12&quot;</td>
<td>at least 6&quot;</td>
<td>4 lbs or less</td>
<td>5 lbs or less</td>
</tr>
<tr>
<td>less than 12-20&quot;</td>
<td></td>
<td></td>
<td>4 lbs or less</td>
</tr>
</tbody>
</table>
Installation for Ecophon® Solo™ Square Ceiling Panels – Hole Placement With Panel Support
1200mm x 1200mm (≈ 47.25" x 47.25")

≥ 2”

≥ 2”

≥ 4”

≥ 4”

≥ 6”

≥ 16”

≥ 4-12” 12-20”

≥ 2”

≥ 2”

≥ 4”

≥ 4”

ASK ABOUT ALL OF OUR OTHER CERTAINTEED® PRODUCTS AND SYSTEMS:
ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE
GYPSUM • CEILINGS • INSULATION

www.certainteed.com