DESIGN AND SPECIFICATIONS

Description
Decoustics HCC and HCC-Thin panels are constructed from a very lightweight multi-density core with a special high acoustic performance layer laminated to all surfaces. Finishes are applied to all sides of the panel for a uniformed appearance when viewed at different angles.

HCC is a 2-1/4” (57mm) thick panel that can be suspended using one hanger if desired. This allows the panel to be fixed to any angle. Decoustics’ HCC panels utilize a supplied yoke assembly for single point suspension or D-ring/eyebolts for multi-point suspension. Optional high absorption core can be specified for increase acoustics.

HCC-Thin is a ¾” (19mm) thick panel that is factory pre-curved. Panels are suspended using four or more support/hangers. Panels are mounted from factory field installed eyebolts.

Panels
All Decoustics panels are custom fabricated and offered in a variety of types, sizes, geometric shapes, thicknesses and finishes.

Design Considerations
Panels employing single suspension are easily adjustable allowing different visual configurations and acoustical results. Panels employing multi-point suspension are typically hung in one position, however, they may be de-installed and re-hung at a different angle by changing the length of the suspension device (e.g. hanger cable/chain, or rod).

Dimensional tolerance of these panels is approx. ±1/8” (3mm).

Maintenance
Refer to appropriate Decoustics “Cleaning and Maintenance Instructions” for any specific finish.

Standards, Tests and Approvals
Surface Burning Characteristics (ASTM E-84): All panel components have a Flame Spread rating of less than 25.

Note: Building code requirements may necessitate composite panel testing based on specified finish.

A panel comprised of “Class A” (Flame Spread of 25 or less) components does not necessarily produce a composite panel meeting the “Class A” requirement. Decoustics has a considerable number of composite panel tests on file.

Mounting Methods
Mechanically mount only using installer supplied threaded rod (single point suspension) or hanger cable/chain (multi-point suspension).

Follow manufacturer’s printed instructions for installation. Field cutting of panels is not recommended.
## Performance Data

<table>
<thead>
<tr>
<th>FINISH</th>
<th>EDGE OPTIONS</th>
<th>SIZES</th>
<th>CONSTRUCTION</th>
<th>THICKNESS</th>
<th>NRC</th>
<th>WEIGHT</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCC</td>
<td>Claro or Metallo</td>
<td>Resin: Square edge</td>
<td>Up to 48&quot; x 96’ (1220mm x 2440mm)</td>
<td>2-1/4” (57mm)</td>
<td>0.90</td>
<td>1.1 psf (5.37 kg/m²)</td>
<td>Claro Light Reflectance 90% or Custom colors</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Panel consists of a reinforced lightweight multi-density structure with a special high acoustic performance layer laminated to all surfaces 2-1/4” (56mm) overall thickness designed to receive a non-bridging acoustically transparent coating.</td>
<td></td>
<td></td>
<td>1.4 psf (6.83 kg/m²) with acoustically absorptive filler</td>
<td></td>
</tr>
<tr>
<td>HCC Thin</td>
<td>Claro or Metallo</td>
<td>Square edge</td>
<td>Up to 48” x 96” (1220mm x 2440mm)</td>
<td>3/4” (19mm)</td>
<td>n/a</td>
<td>0.75lb/ft² (3.7kg/m²) based on a 48” x 96” (1220mm x 2440mm) panel</td>
<td>Claro Light Reflectance 90% or Custom colors</td>
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<tr>
<td></td>
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<td></td>
<td>Panel consists of a multi-density, lightweight internal structure, with a 16 – 20lb/ft² (256 – 320kg/m²) high density integral facer.</td>
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Note: The information provided in this Data Sheet is accurate to the best of our knowledge at the time of printing. However, we reserve the right to make changes when necessary without further notification. Suggested applications may need to be modified to conform with local building codes and conditions. We cannot accept responsibility for products that are not used, or installed to our specifications. Please refer to our website for most current data.

Note: Only handle panels wearing clean, lightweight, white gloves during installation. Follow manufacturer’s printed instructions for installation as well as field cutting of panels.