

Architectural Forms Ceilings Hollow Core Construction (HCC)

decoustics®

HCC



HCC Thin



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 3/4" (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. $\pm 1/8"$ (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.

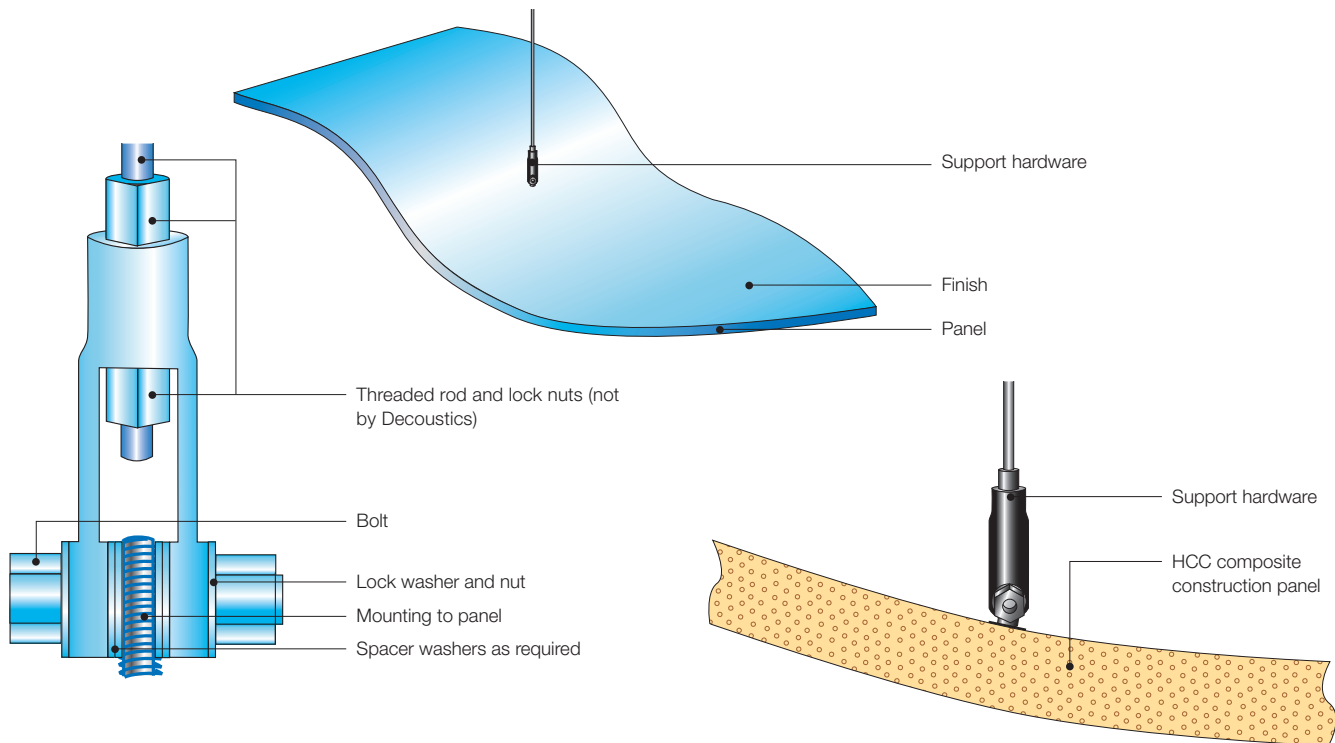
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Performance Data

FINISH	EDGE OPTIONS	SIZES	CONSTRUCTION	THICKNESS	NRC	WEIGHT	COLOR
HCC							
Claro or Metallo	Resin: Square edge	Up to 48" x 96" (1220mm x 2440mm)	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.	2-1/4" (57mm)	0.90	1.1 psf (5.37 kg/m ²) 1.4 psf (6.83 kg/m ²) with acoustically absorptive filler	Claro Light Reflectance 90% or Custom colors
HCC Thin							
Claro or Metallo	Square edge	Up to 48" x 96" (1220mm x 2440mm)	Panel consists of a multi-density, lightweight internal structure, with a 16 – 20lb/ft ³ (256 – 320kg/m ³) high density integral facer.	3/4" (19mm)	n/a	0.75lb/ft ² (3.7kg/m ²) based on a 48" x 96" (1220mm x 2440mm) panel	Claro Light Reflectance 90% or Custom colors

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.



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