

# Decoustics® S-Shaped Ceilings

Decoustics S-Shape ceiling panels are a unique way to address the problems of sound focusing and reflection normally associated with traditional hard surface finishes. The panels consist of two-dimensional pre-curved units that utilize one or two radii (inside and outside) throughout the curve. Interesting visuals are possible due to the distinctive shapes that can be achieved with these panels.

A variety of mounting methods can be employed depending on plenum access requirements, available substrate, plenum clearance and panel joint preference. e.g., defined, closed reveal or open reveal.

## Features & Benefits

- Fully-engineered product delivered to site ready for installation
- Surface can be washed and disinfected<sup>1</sup>
- NRC up to 0.95
- Minimum radius is 30" (760mm).

<sup>1</sup> Claro Easy-Clean finish is not recommended for daily cleaning. See Cleaning Instructions for more information.

## Attributes



**FIRE RATING:**  
CLASS A  
PER ASTM E84  
AND CAN/ULC-S102



**WASHABLE**



**CUSTOMIZATION  
AVAILABLE**

## LEED® v4

### RECYCLED CONTENT

up to 55%

- ✓ MR: Recycled Content
- ✓ EQ: Low Emitting Materials
- ✓ EQ: Acoustic Performance

LEED® is a registered trademark of the U.S. Green Building Council.

## CERTIFICATIONS & PRODUCT DECLARATIONS



**EPD AVAILABLE**



**HPD AVAILABLE**

# Decoustics® S-Shaped Ceilings

## Colors & Finishes

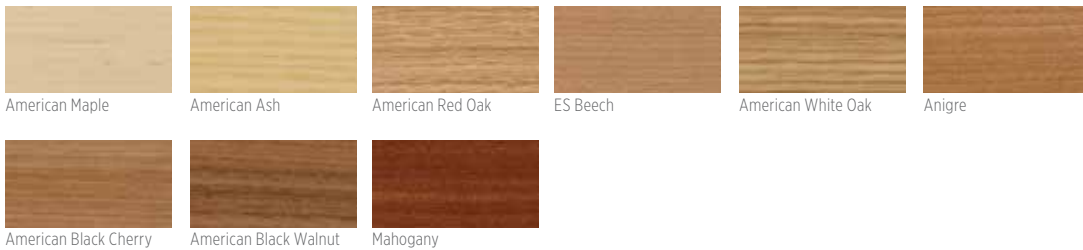
### Claro

Select our Claro Standard White (CSW-100) to achieve up to 94% light reflectance and fill the space with light, choose a cleanable and disinfectable surface, option in for Metallo™ Silver to mimic the look of metal or specify a custom color to hold your design intent. CertainTeed Architectural has the capability to color-match to a wide range of paint chips. Colors are for illustration purposes only.



### Wood

Wood finishes are available prefinished in natural lacquer or unfinished for post application by others. DECOUSTICS can provide custom lacquer toning, tinting and sheen to match other wood finishes. An acceptable representation should be supplied and a prototypical sample produced for design acceptance and sign off.

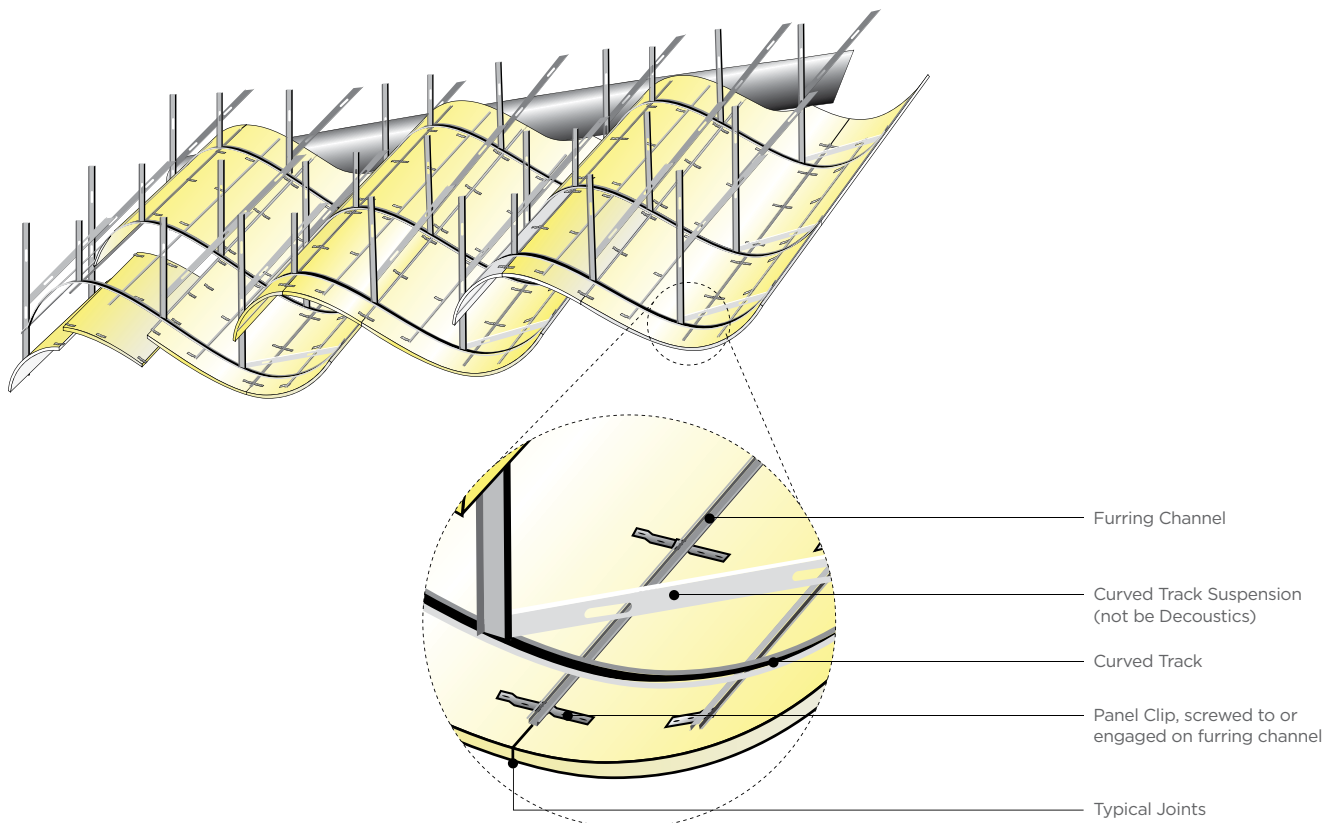


### Fabric

Decoustics has a wide variety of fabrics to choose from. Please contact your Sales Representative to review the options.

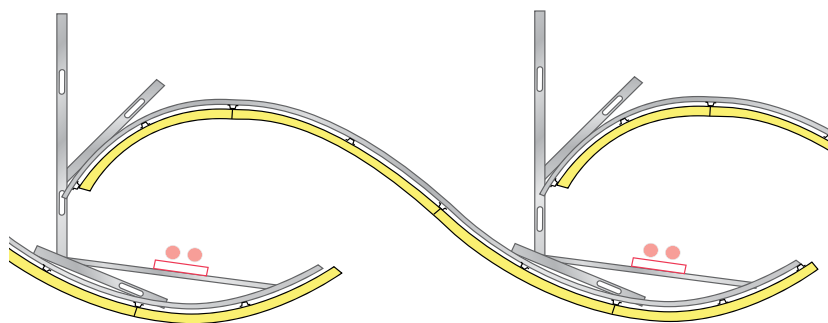
## Installation Examples

### Typical Isometric



## Installation Examples

### Typical Section



## Performance Data

FINISH	EDGE OPTIONS	SIZES	CONSTRUCTION	THICKNESS	NRC	WEIGHT	COLOR
Fabric	Resin: square edge open or closed reveal joint	Fabric: Up to 48" x 120" (1220mm x 3050mm)	Panel consists of a 6 to 7 pcf (96 to 112 kg/m <sup>3</sup> ) core with a 1/16" (1.5mm) thick 16 to 20 pcf (256 to 320 kg/m <sup>3</sup> ) high density integral facer. Fabric corners are fully tailored (no exposed darting). A 1 mil clear vapor barrier is adhered to panel back.	1-1/16" (27mm)	Up to 0.80	0.90 psf (4.40 kg/m <sup>2</sup> )	As per finish selected.
				1-9/16" (40mm)	N/A	1.20 psf (5.90 kg/m <sup>2</sup> )	
				2-1/16" (52mm)	N/A	1.52 psf (7.50 kg/m <sup>2</sup> )	
Claro or Metallo	Aluminum: Coated square edge with 1/8" (3mm) defined joint	Recommended: Up to 72" x 48" (1830mm x 1220mm)  Handling larger panels may result in damage to panels. Consult Decoustics for larger panel sizes.	Panel consists of a 6 to 7 pcf (96 to 112 kg/m <sup>3</sup> ) density acoustically absorptive core, with a special high acoustic performance layer laminated to face (1-1/16" (27mm) overall thickness) designed to receive a non-bridging acoustically transparent coating. A 1 mil clear vapor barrier is adhered to panel back.	1-1/16" (27mm)	Up to 0.85	1.05 psf (5.15 kg/m <sup>2</sup> )	Claro Light Reflectance 90%
				1-9/16" (40mm)	Up to 0.90	1.40 psf (6.84 kg/m <sup>2</sup> )	Custom Colors to match color chips
				2-1/16" (52mm)	Up to 0.95	1.78 psf (8.70 kg/m <sup>2</sup> )	
Quadrillo	Unfinished square kerf and spline, 3/32" (2.4mm) edge banding veneer and solid wood face frame. Custom edge profiling on request.	48" x 60" (1220mm x 1525mm)	Panel consists of a 6 to 7 pcf (96 to 112 kg/m <sup>3</sup> ) density mat faced core laminated between a layer of 1/4" (6mm) thick Quadrillo face and a 1/8" (3mm) HDF perforated backing board (QPP). Internal fire treated particle board framing as required for edge conditions.	QPP-19 1-1/8" (28mm)	Up to 0.70	2.80 psf (13.68 kg/m <sup>2</sup> )	Anigre Ash Beech Cherry Mahogany Maple Oak paint finish pear walnut
				QPP-25 1-3/8" (35mm)	Up to 0.80	3.40 psf (16.61 kg/m <sup>2</sup> )	
				QPP-50 2-3/8" (60mm)	Up to 1.00	5.5 psf (26.85 kg/m <sup>2</sup> )	Custom on request

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.

## Mounting Methods

S-Shape panels can be installed using the following Decoustics ceiling systems:

1. Span (Perimeter supported, upward accessible, with defined, closed (refer to data sheet "Custom Curved - Vault Shape" for diagram details) reveal or open joints).
2. Direct Mount (progressively accessible, only with defined, closed reveal or open reveal joints).
3. Direct To Suspended Frame/Grid (progressively accessible with defined, closed reveal or open reveal panel joints).
4. Suspended Reveal (floating panels, with open reveal joints).
5. Accessible Reveal (upward accessible, with minimum reveal joints).
6. Ceilencio (downward accessible, with defined joints).
7. Lay-In (upward accessible, with exposed suspension grid).

Note: Field cutting of panels is possible but not recommended.



Photo: Timex World Headquarters, Middlebury, CT

## Physical Data

### MATERIAL

#### Fiberglass:

Comes standard in Regular Fiberglass and Components  
Available in Low VOC Fiberglass and Components  
Compliance tested by Berkeley Analytical (BkA)  
- BkA VOC Emissions Test Certification  
- VOC Emissions Meet CDPH Standard Method V1.2  
- May not be available with all product configurations



#### Wood:

Natural Wood Veneer + no-added urea formaldehyde  
MDF core

### WEIGHT

#### Fiberglass:

Varies nom. 0.9 – 1.7 lbs./sq.ft.  
(includes suspension)

#### Wood:

Average 3.5 lbs./sq.ft.

### FLAME SPREAD/SMOKE DEV.

Per ASTM E84 — CAN/ULC S102

Flame Spread: 25 or less

Smoke Developed: 50 or less

(Class A per ASTM E1264)

### SEISMIC RATING

Zones A,B,C,D,E,F

### RECYCLED CONTENT

Up to 55%

### WARRANTY

Standard 1-year Limited Warranty.  
Full warranty information can be  
found at [certainteed.ca/warranty](https://certainteed.ca/warranty)