

Decoustics® Claro® Baffles Fiberglass Ceilings and Walls

Decoustics® Claro® Baffles ceiling is tailored to meet project objectives and delivered to site a fully finished and certified product ready for installation. Create ceiling showpieces by designing with a variety of shapes, sizes and colors.

Features & Benefits

- Full-service program with tailored solutions delivered to site ready for installation
- Custom shapes, sizes, curving, texture, color-matching and shimmering metallic finishes
- NRC up to 0.75 (reference the acoustical chart on page 5)
- Maximum baffle sizes: — Up to 4' in height, up to 8' in length, and weight up to 40 lbs in a variety of custom shapes with similar baffle parameters
- Thicknesses of 1" or 2-1/8"
- Other sizes and dimensions may be available, contact your sales representative for more information
- Available in regular fiberglass or Clean-Air Claro®
- Available with smooth and/or washable Easy-Clean Claro®¹ or shimmering Metallo™ Silver finishes

¹ 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



SEISMIC RATING:
ZONES A, B, C, D, E, F



**CLEAN AND
DISINFECT**



LR 0.94



**CUSTOMIZATION
AVAILABLE**

LEED® v4

RECYCLED CONTENT

up to 51%

- ✓ MR: Building Product Disclosure
- ✓ EQ: Low-Emitting Materials
- ✓ EQ: Indoor Air Quality Assessment
- ✓ EQ: Acoustic Performance

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

CERTIFICATIONS & PRODUCT DECLARATIONS



**COMPLIANCE
TESTED BY
BERKELEY
ANALYTICAL (BKA)**

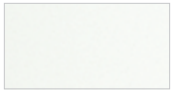
- BKA VOC Emissions Test Certification
- VOC Emissions Meet CDPH Standard Method V1.2

**EPD
AVAILABLE**

**HPD
AVAILABLE**

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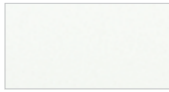
Colors & Finishes



Claro Standard White
(CSW-100)



Claro Smooth White



Claro Easy-Clean White



Claro Standard Black



Metallo Silver



Custom Color Match

Shapes and Sizes

RECTANGULAR BAFFLES:

- Baffle edges are straight and angled at 90°
- Edges are finished to match the face of baffle
- Available in 1" and 2-1/8" thicknesses



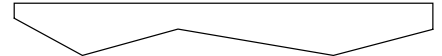
WAVE BAFFLES:

- Baffle edges are shaped to hold a slight curving radius
- Edges are finished to match the face of baffle
- Available in 1" and 2-1/8" thicknesses



ANGLED BAFFLES:

- Baffle edges are straight and angled at different degrees
- Edges are finished to match the face of baffle
- Available in 1" and 2-1/8" thicknesses



Additional tailored sizes, shapes and curving, along the bottom, side and top edge, various suspension and mounting systems, as well as finishing options are available for design flexibility. Contact your local sales representative to get started.

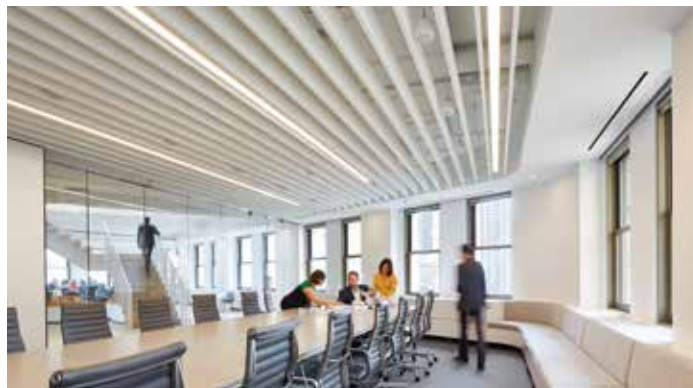
Configuration Suggestions



Curve edges- elongated 2" thick baffles



Custom color-match 2" thick baffles to create waves



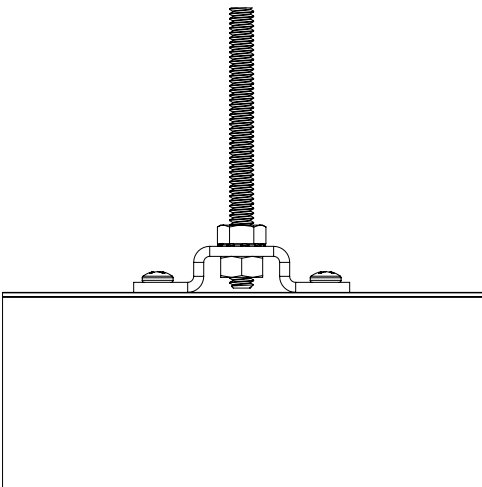
Create sleek linear designs using 1" thin rectangular baffles

Configuration Suggestions (continued)

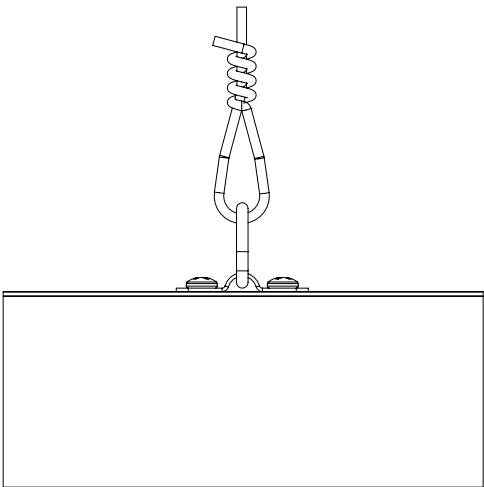
Shape Decoustics Claro baffles and mirror them to create geometric patterns. Mix-and-match shapes to create parametric architecture. Cut shapes out of the baffles to add a unique touch, or curve the baffles horizontally to add motion to the ceiling.



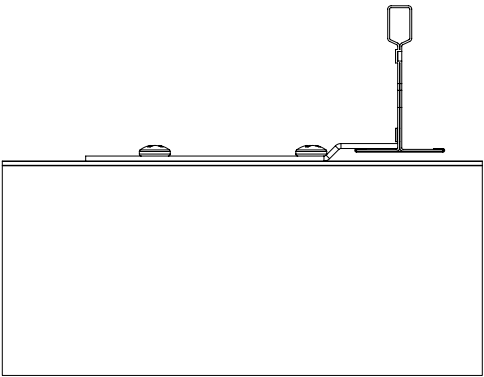
Installation Examples



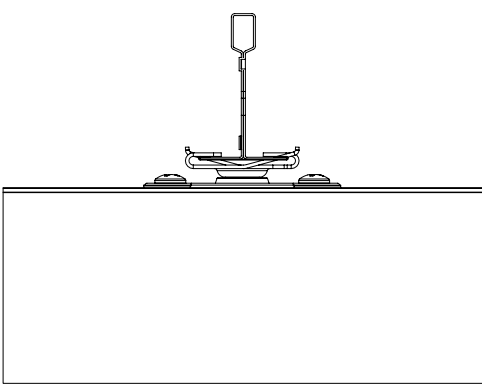
THREADED ROD MOUNTING BRACKET



D-RING



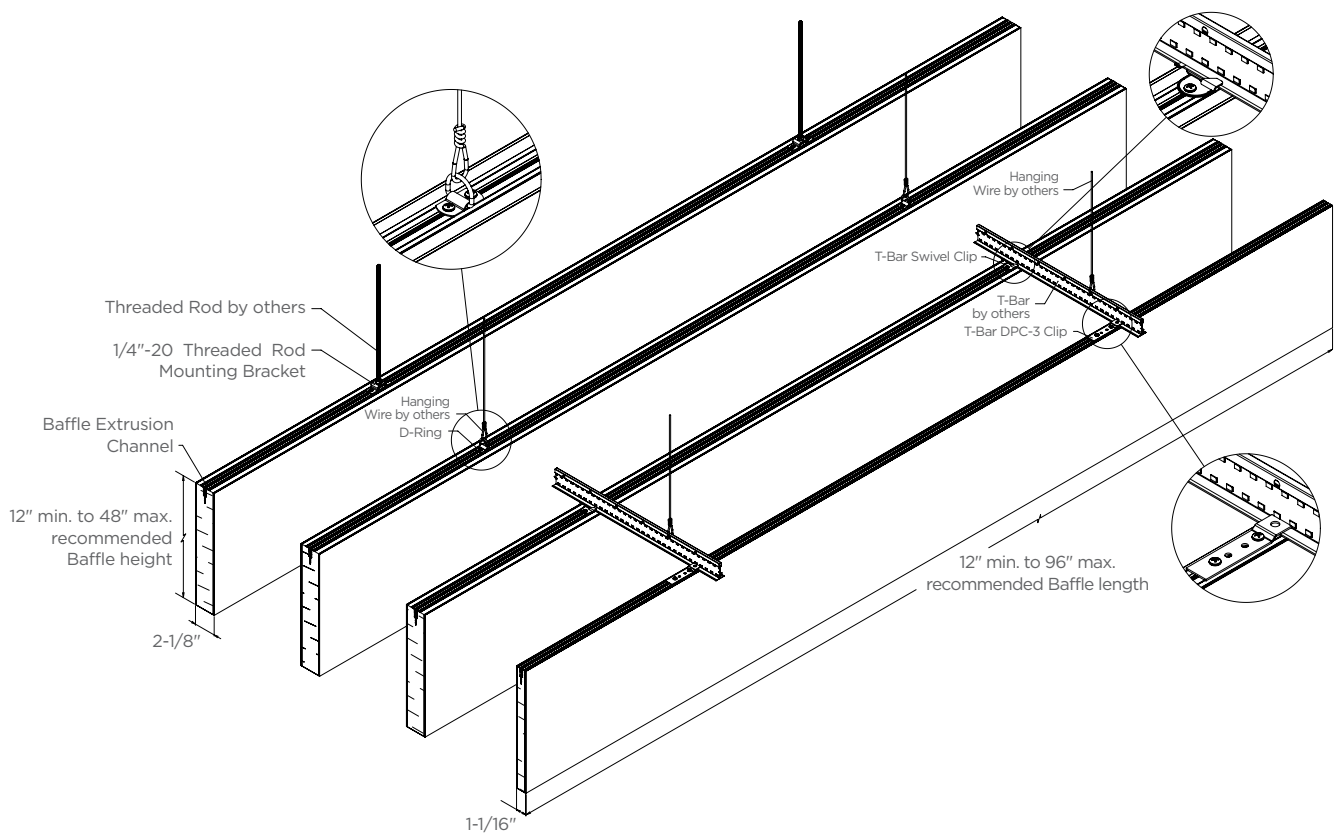
DPC-3 CLIP



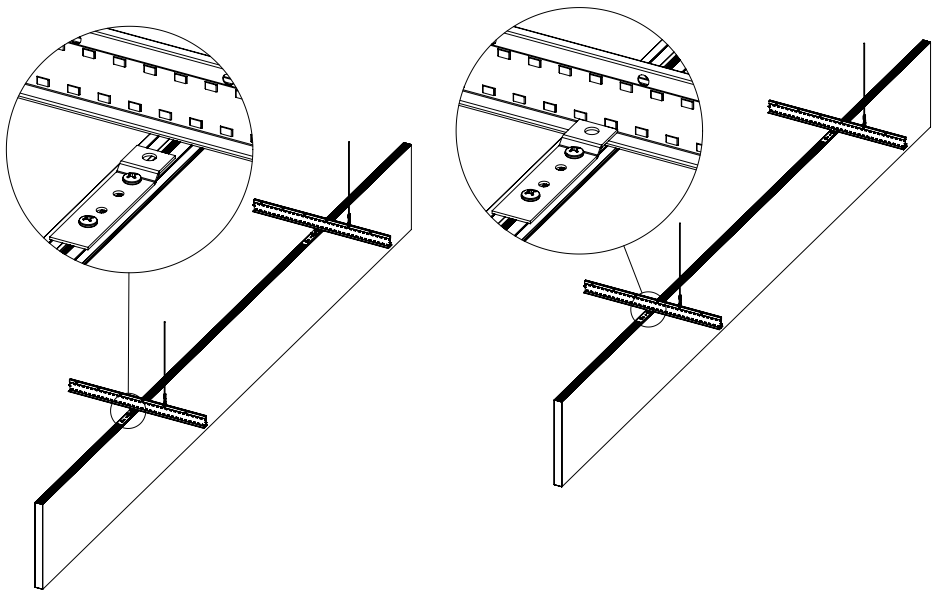
SWIVEL CLIP

Installation Examples

Typical Isometrics



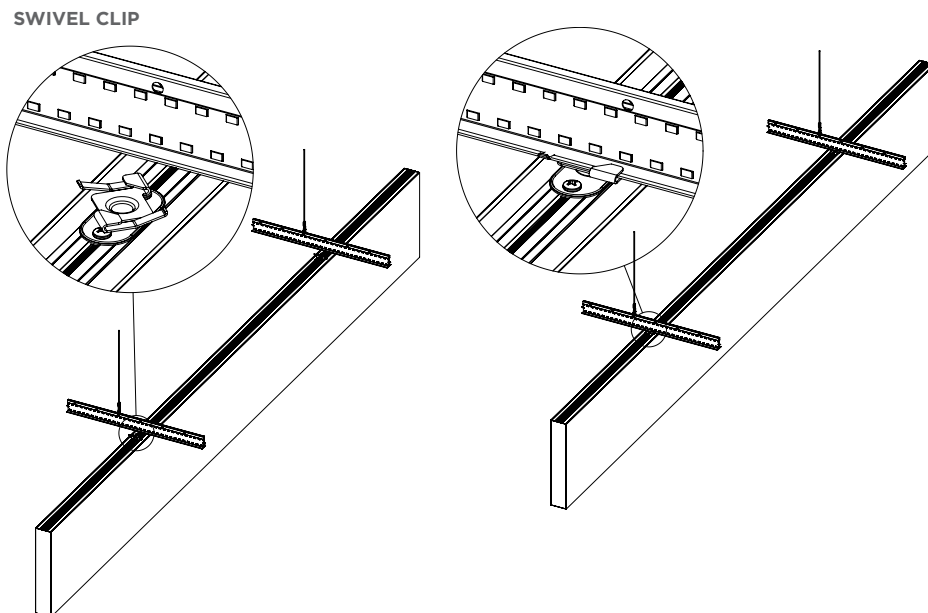
DPC-3 CLIP



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Installation Examples

Typical Isometrics



Acoustical Performance

MOUNTING	NRC
Type J	0.75

Test specimen baffles were mounted using 3 different sets of spacing: i.e. 24", 36", and 48".

All baffles were suspended in parallel rows in the test chamber as per ASTM E795 Type-J. Sound absorption is calculated in Sabins per unit. NRC levels may vary based on square footage, spacing and shape of the baffles. NRC levels of up to 0.75 can be reached, please contact an acoustical consultant or your sales representative.

FINISH	THICKNESS	SPACING (Height of Baffle : Spacing between Baffles)	SABINS FREQUENCY (HZ)					
			125	250	500	1000	2000	4000
Claro Baffle	1"	1:1 (24":24")	2.30	3.52	6.58	9.95	11.94	11.48
	1"	1:1.5 (24":36")	1.53	3.83	8.11	10.56	12.86	12.40
	1"	1:2 (24":48")	1.68	4.44	9.49	12.40	15.00	14.39
	2-1/8"	1:1 (24":24")	3.03	4.46	11.00	12.44	12.92	12.60
	2-1/8"	1:1.5 (24":36")	3.03	4.94	12.44	14.03	14.03	13.23
	2-1/8"	1:2 (24":48")	3.03	5.74	39.00	14.35	14.19	13.39

Technical Characteristics

Y = Yes N = No

Baffles Finish	Custom Color	Texture Option	Cleanability & Disinfection	EPD Available	Clearchem Low VOC	Light Reflectance	Curving
Claro	Y	Stipple or Smooth	N	Y	N	94%	Y
Clean-Air Claro	Y	Stipple or Smooth	N	N	Y	94%	Y
Easy-Clean Claro	N	Smooth Only	Y	N	Y	93%	Y
Metallo	N	Smooth Only	N	N	N	N/A	Y

Photo: © Studio 66 LLC / National Interstate Insurance Office / Richfield, OH

Physical Data

MATERIAL

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



WEIGHT

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

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

1-year or 2-year Limited Warranty.
Full warranty information
can be found at
certainteed.ca/warranty



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