



True NRC™ OF 0.90 OR GREATER

True NRC™ OF 0.80 OR GREATER

True NRC™ OF 0.70 OR GREATER

True NRC™ OF 0.00 - .070

2X4 VAPOR® TORSION SPRING PANELS

Simulates	Testing Mount	% Open	Product	True NRC™	SAA	Scale
Ceiling	E-300	68%	Vapor® Cora with Acoustic Backer	0.90	0.89	
Ceiling	E-300	40%	Vapor® Cluster Dense with Acoustic Backer	0.85	0.86	
Ceiling	E-300	17%	Vapor® Cumula with Acoustic Backer	0.85	0.81	
Ceiling	E-300	19%	Vapor® Pixel with Acoustic Backer	0.85	0.84	
Ceiling	E-300	24%	Vapor® Trail with Acoustic Backer	0.80	0.80	
Wall	F-70	19%	Vapor® Pixel with Acoustic Backer	0.80	0.78	
Wall	F-70	40%	Vapor® Cluster Dense with Acoustic Backer	0.75	0.79	
Wall	F-70	66%	Vapor® Cora with Acoustic Backer	0.75	0.78	
Wall	F70	24%	Vapor® Trail with Acoustic Backer	0.75	0.77	
Wall	F-70	17%	Vapor® Cumula with Acoustic Backer	0.75	0.77	
Wall	F-70	6%	Vapor® Syntax with Acoustic Backer	0.65	0.64	
Ceiling	E-300	6%	Vapor® Syntax with Acoustic Backer	0.65	0.66	
Wall	F-70	10%	Vapor® Cluster Sparse with Acoustic Backer	0.60	0.61	
Wall	F-70	5%	Vapor® Byte with Acoustic Backer	0.55	0.56	
Ceiling	E-300	10%	Vapor® Cluster Sparse with Acoustic Backer	0.50	0.52	
Ceiling	E-300	5%	Vapor® Byte with Acoustic Backer	0.50	0.51	

2X4 TRACE® TORSION SPRING PANELS

Simulates	Testing Mount	% Open	Product	True NRC™	SAA	Scale
Ceiling	E-300	55%	Trace® Curved with Acoustic Backer	0.90	0.87	
Ceiling	E-300	55%	Trace® Straight with Acoustic Backer	0.90	0.88	
Ceiling	E-300	62%	Trace® Skew with Acoustic Backer	0.90	0.88	
Wall	F-70	55%	Trace® Curved with Acoustic Backer	0.80	0.79	
Wall	F-70	62%	Trace® Skew with Acoustic Backer	0.80	0.82	
Wall	F-70	55%	Trace® Straight with Acoustic Backer	0.75	0.79	

Note: Testing was conducted through Intertek, Lake Forest, CA per ASTM C423.

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2X4 VAPOR® SOFT TORSION SPRING PANELS

Simulates	Testing Mount	% Open	Product	True NRC™	SAA	Scale
Ceiling	E-300	40%	Vapor® Soft Cluster Dense with Acoustic Backer	0.90	0.92	
Ceiling	E-300	68%	Vapor® Soft Cora with Acoustic Backer	0.90	0.90	
Ceiling	E-300	24%	Vapor® Soft Trail with Acoustic Backer	0.90	0.91	
Wall	F-70	24%	Vapor® Soft Trail with Acoustic Backer	0.85	0.86	
Wall	F-70	40%	Vapor® Soft Cluster Dense with Acoustic Backer	0.80	0.84	
Wall	F-70	10%	Vapor® Soft Cluster Sparse with Acoustic Backer	0.80	0.82	
Wall	F-70	68%	Vapor® Soft Cora with Acoustic Backer	0.80	0.79	
Ceiling	E-300	10%	Vapor® Soft Cluster Sparse with Acoustic Backer	0.75	0.78	
Ceiling	E-300	10%	Vapor® Soft Cluster Sparse with Translucent Backer	0.50	0.51	
Wall	F-70	10%	Vapor® Soft Cluster Sparse with Translucent Backer	0.50	0.50	
Ceiling	E-300	24%	Vapor® Soft Trail with Translucent Backer	0.45	0.45	
Wall	F-70	24%	Vapor® Soft Trail with Translucent Backer	0.45	0.46	
Ceiling	E-300	40%	Vapor® Soft Cluster Dense with Translucent Backer	0.40	0.42	
Wall	F-70	40%	Vapor® Soft Cluster Dense with Translucent Backer	0.40	0.42	
Ceiling	E-300	68%	Vapor® Soft Cora with Translucent Backer	0.35	0.34	
Wall	F-70	68%	Vapor® Soft Cora with Translucent Backer	0.30	0.31	

2X4 DELTA DROP® TORSION SPRING PANELS

Simulates	Testing Mount	% Open	Product	True NRC™	SAA	Scale
Ceiling	E-200	7%	Delta Drop® Half Infill/Half Circle w/ Acoustic Backer	0.85	0.83	
Wall	F-70	7%	Delta Drop® Half Infill/Half Circle w/ Acoustic Backer	0.80	0.81	
Ceiling	E-200	12%	Delta Drop® Full Pattern Circle w/ Acoustic Backer	0.70	0.72	
Wall	F-70	12%	Delta Drop® Full Pattern Circle w/ Acoustic Backer	0.70	0.72	
Wall	F-70	7%	Delta Drop® Half Pattern Circle w/ Acoustic Backer	0.60	0.59	
Ceiling	E-200	7%	Delta Drop® Half Pattern Circle w/ Acoustic Backer	0.50	0.50	
Wall	F-70	0%	Delta Drop® Full Solid w/ Acoustic Backer	0.35	0.33	
Ceiling	E-200	0%	Delta Drop® Full Solid w/ Acoustic Backer	0.20	0.22	

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SOFTGRID®

Simulates	Testing Mount	% Open	Product	True NRC™	SAA	Scale
Wall	A	87%	SoftGrid® Flux	0.75	0.79	
Ceiling	F-100	87%	SoftGrid® Flux	0.75	0.78	
Ceiling	F-100	87%	SoftGrid® Deca	0.75	0.78	
Wall	A	93%	SoftGrid® Square 9	0.75	0.74	
Wall	A	87%	SoftGrid® Deca	0.70	0.75	
Ceiling	F-100	85%	SoftGrid® Orbit	0.70	0.75	
Wall	A	85%	SoftGrid® Orbit	0.70	0.73	
Ceiling	F-100	89%	SoftGrid® Square 6	0.70	0.75	
Wall	A	89%	SoftGrid® Square 6	0.70	0.72	
Wall	A	94%	SoftGrid® Round	0.70	0.71	
Wall	A	92%	SoftGrid® Sine	0.70	0.73	
Wall	A	93%	SoftGrid® Skyline	0.70	0.72	
Wall	A	92%	SoftGrid® Slope	0.70	0.69	
Ceiling	F-100	93%	SoftGrid® Scale	0.65	0.67	
Wall	A	93%	SoftGrid® Scale	0.65	0.69	
Ceiling	F-100	93%	SoftGrid® Square 9	0.65	0.63	
Wall	A	95%	SoftGrid® Switch	0.60	0.62	
Ceiling	F-100	95%	SoftGrid® Switch	0.60	0.64	
Ceiling	F-100	94%	SoftGrid® Round	0.60	0.61	
Ceiling	F-100	92%	SoftGrid® Sine	0.60	0.62	
Ceiling	F-100	93%	SoftGrid® Skyline	0.60	0.62	
Ceiling	F-100	92%	SoftGrid® Slope	0.60	0.62	
Wall	A	92%	SoftGrid® Dome	0.55	0.58	
Ceiling	F-100	92%	SoftGrid® Dome	0.55	0.56	
Wall	A	73%	SoftGrid® Wave	0.50	0.52	
Ceiling	F-100	73%	SoftGrid® Wave	0.50	0.51	

SOUNDBAR®

Simulates	Testing Mount	% Open	Product	True NRC™	SAA	Scale
Ceiling	F-100	N/A	SoundBar™ (4"x10"x96") 6" O.C	1.15	1.16	
Ceiling	F-100	N/A	SoundBar™ (4"x10"x96") 12" O.C	0.90	0.93	
Ceiling	F-100	N/A	SoundBar™ (3"x4"x96") 6" O.C	0.55	0.56	
Ceiling	F-100	N/A	SoundBar™ (3"x4"x96") 12" O.C	0.40	0.42	

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SOUNDEGE®

Simulates	Testing Mount	% Open	Product	True NRC™	SAA	Scale
Ceiling	F-100	N/A	SoundEdge® 12" by 9' (6" Gap) 24mm	1.10	1.10	
Ceiling	F-100	N/A	SoundEdge® 12" by 9' (12" Gap) 24mm	0.90	0.92	
Ceiling	F-100	N/A	SoundEdge® 12" by 9' (6" Gap) 12mm	0.90	0.90	
Ceiling	F-100	N/A	SoundEdge® 12" by 9' (12" Gap) 12mm	0.75	0.75	
Ceiling	F-100	N/A	SoundEdge® 6" by 9' (6" Gap) 24mm	0.75	0.74	
Ceiling	F-100	N/A	SoundEdge® 6" by 9' (12" Gap) 24mm	0.55	0.56	
Ceiling	F-100	N/A	SoundEdge® 6" by 9' (6" Gap) 12mm	0.55	0.53	
Ceiling	F-100	N/A	SoundEdge® 6" by 9' (12" Gap) 12mm	0.40	0.41	

SOUNDSTAR®, SOFTFOLD®, TRISOFT®, SOFTPLANES®

Simulates	Testing Mount	% Open	Product	True NRC™	SAA	Scale
Ceiling	E-600	N/A	24" SoundStar®	0.95	0.95	
Ceiling	E-700	N/A	24" SoundStar®	0.95	0.95	
Ceiling	E-300	N/A	12" SoundStar	0.85	0.87	
Ceiling	E-400	N/A	12" SoundStar®	0.85	0.87	
Ceiling	E-300	N/A	SoftFold®	0.75	0.73	
Ceiling	E-300	N/A	TriSoft®	0.75	0.75	
Ceiling	E-300	N/A	SoftPlanes®	0.65	0.68	
Wall	F-70	N/A	SoftPlanes®	0.65	0.67	

SOUNDBAR®

Simulates	Testing Mount	% Open	Product	True NRC™	SAA	Scale
Ceiling	E-300	N/A	SoundAngle® 12" by 9' (Fins Touching)	0.95	0.97	
Ceiling	E-300	N/A	SoundAngle® 6" by 9' (Fins Touching)	0.95	0.97	
Ceiling	E-300	N/A	SoundAngle® 12" by 9' (6" Gap)	0.75	0.77	
Ceiling	E-300	N/A	SoundAngle® 6" by 9' (6" Gap)	0.70	0.72	
Ceiling	E-300	N/A	SoundAngle® 12" by 9' (12" Gap)	0.65	0.64	
Ceiling	E-300	N/A	SoundAngle® 6" by 9' (12" Gap)	0.55	0.58	

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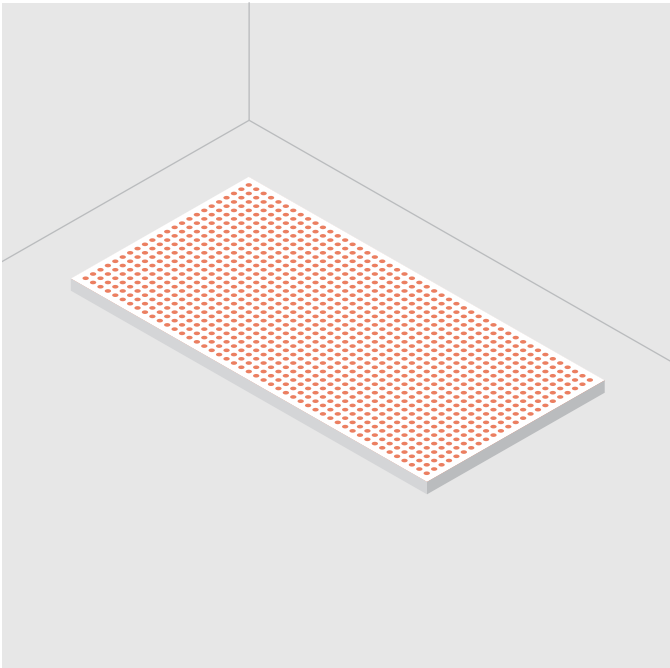
**NAME BREAKDOWN****E300 Mounting Type - Ceiling**

Mounting Type Distance from surface in mm

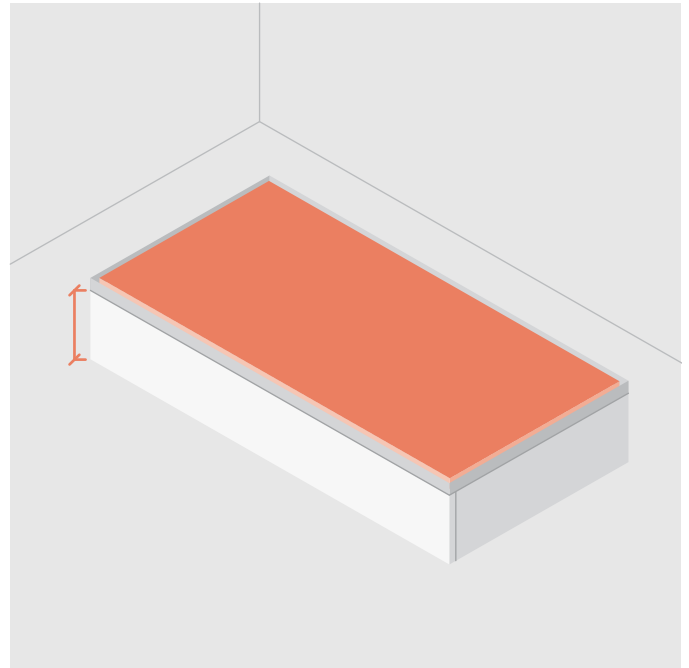
Product Usage

TYPE A

Specimen is placed directly on top of the floor. Intended for carpet, wall panels, or any product that will be laid directly on floor or attached to a wall with adhesive or mechanical fasteners.

**TYPE E**

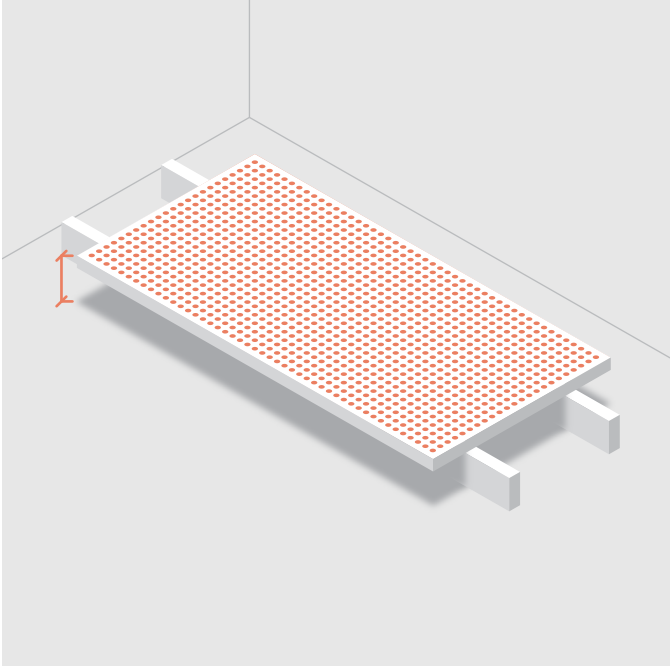
Specimen is suspended and enclosed with air space below it. Intended to simulate a drop ceiling. Air space is measured from the bottom of the panel.



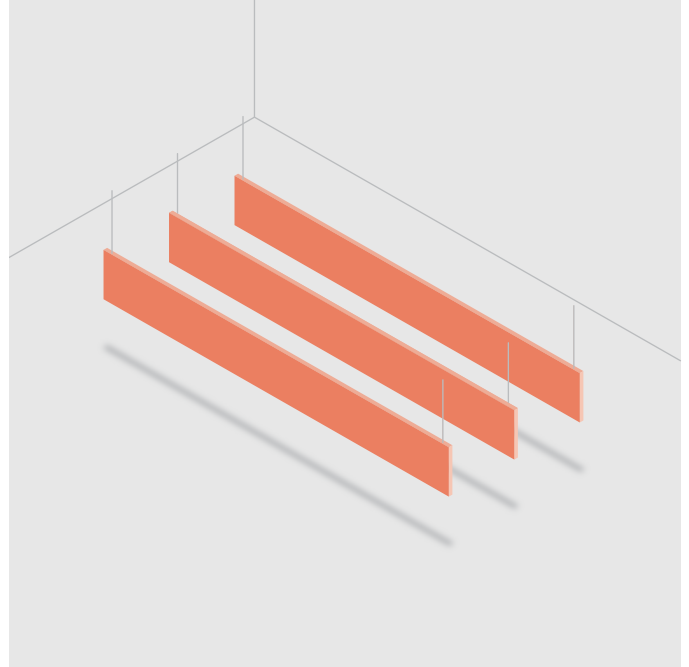
Note: These are representations of ASTM E795 Mounting Types for Sound Absorption Tests

**TYPE F**

Specimen is separated from floor with spacers. Intended to simulate normal use of a product containing spacers or spacing clips. **Air space is measured from the top of the panel.**

**TYPE J**

Specimen is suspended vertically. Each 2' by 4' piece is separated from each other, unless an array that simulates actual installation is provided.



Note: These are representations of ASTM E795 Mounting Types for Sound Absorption Tests