

Technical Data Sheet



BAC LAY-IN

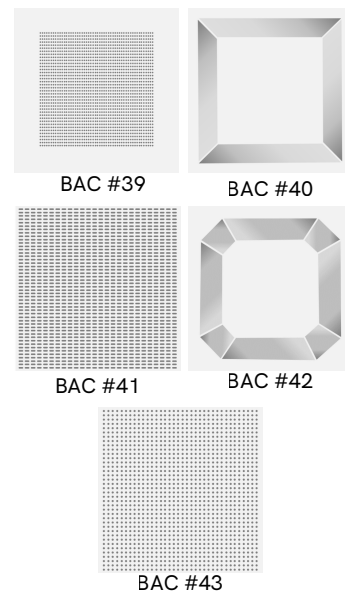


This product has the following subscriptions:



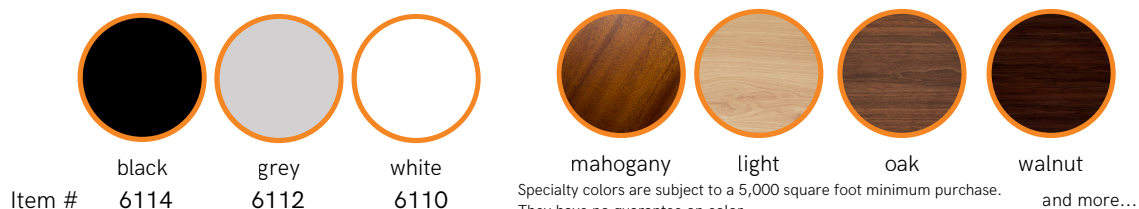
Characteristic	Technical Data
Dimensions	24" x 24" 24" x 48"
Edge Profile	LAY-IN
Perforation Design	Pattern BAC #43
Shape	Panel
Noise Reduction Coefficient (NRC)	Perforated 0.75 Non-Perforated 0.10
Fire Resistance / Flame Spread	Class A
Light Reflective	0.83
Ceiling Attenuation Class (CAC)	Up to 40
Microbial & Humidity Resistance (RH)	Very High
Durability	Impact resistance
Maintainability	Washable / Scrubbable
Pattern	Perforated & Non-Perforated
Surface Finish	Polyester Powder Paint
ASTM Classification	Type III

TILE PATTERNS



Standard color:

Specialty colors:



Specialty colors are subject to a 5,000 square foot minimum purchase. They have no guarantee on color.

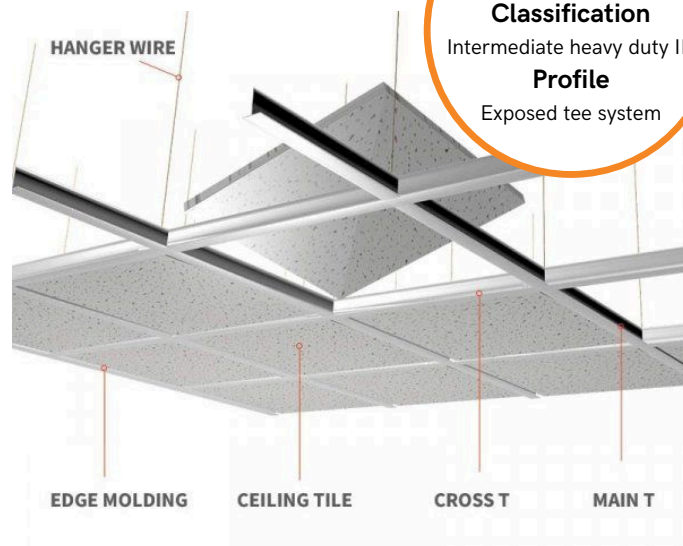
and more...

Suspension System 15/16"

BENEFITS:

- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
- Increased strength and stability for improved performance.
- Easy to cut.
- Rotary stitched for additional torsional strength and extra stability during installation.
- Faster and easier insertion/installation of cross tees.
- Tighter tee to tee connection.
- Better load carrying capability.

Code	Type	Dimension
#116-38H T-grid (15/16 SYSTEM)	Main T	1 ½" x 15/16" x 144"
	Cross T	1 ½" x 15/16" x 24" 1 ½" x 15/16" x 48"
#116-38H T-grid (9/16 SYSTEM)	Main T	1 ½" x 9/16" x 144"
	Cross T	1 ½" x 9/16" x 24" 1 ½" x 9/16" x 48"
Wall Molding	L shape	15/16" x 15/16" x 142"



Surface Finish

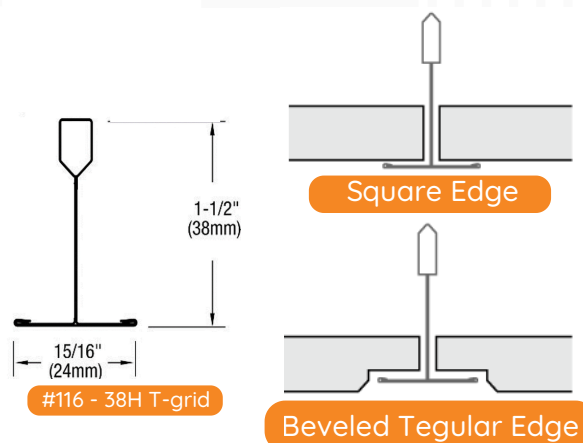
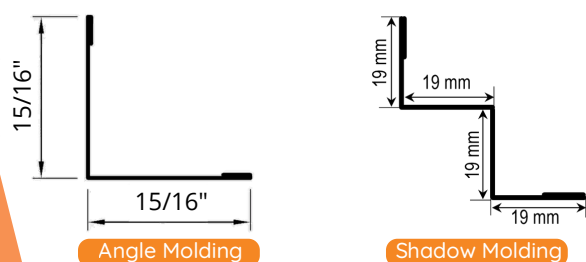
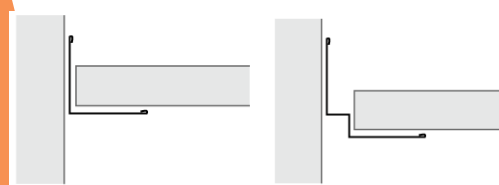
Baked polyester paint

Classification

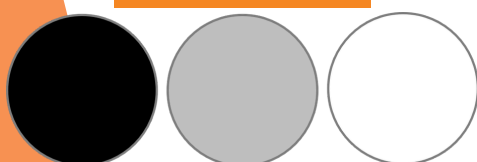
Intermediate heavy duty ID

Profile

Exposed tee system



COLOR CHART



PHYSICAL DATA

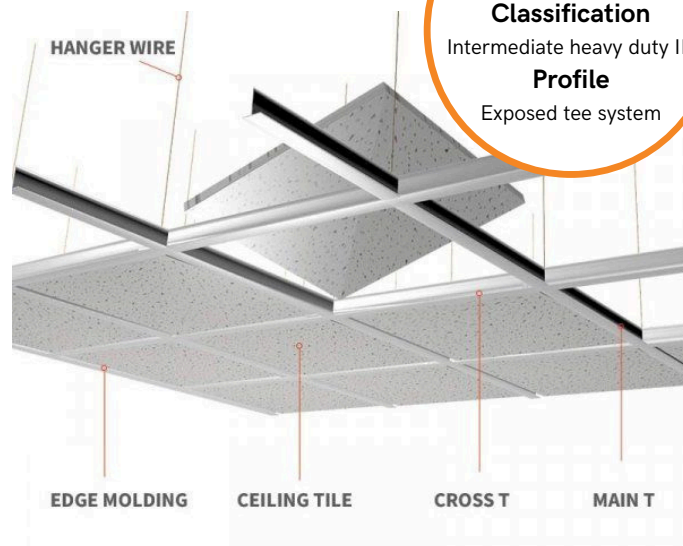
Type	38 H – Heavy Duty Suspension System
Intended use	As a support system in conjunction with various types of Benner Ceiling Tiles and other brands.
End detail	Main tee (12' / HD) Cross Tee (2' / 4' / HD) Wall Angle (HD)
Seismic performance	Compression / tension Main beam – 365 / 7 Cross Tee – 299 / 5
Materials	Components in general galvanized steel cap Fire rated commercial conditions Hot – dipped galvanized steel body
Requirements	Meets with all international code including seismic. Complies with ASTM C635
Application	Applicable to various types of buildings and/or mayor brand ceiling tiles

Suspension System 9/16"

BENEFITS:

- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
- Increased strength and stability for improved performance.
- Easy to cut.
- Rotary stitched for additional torsional strength and extra stability during installation.
- Faster and easier insertion/installation of cross tees.
- Tighter tee to tee connection.
- Better load carrying capability.

Code	Type	Dimension
#116-38H T-grid (15/16 SYSTEM)	Main T	1 ½" x 15/16" x 144"
	Cross T	1 ½" x 15/16" x 24" 1 ½" x 15/16" x 48"
#116-38H T-grid (9/16 SYSTEM)	Main T	1 ½" x 9/16" x 144"
	Cross T	1 ½" x 9/16" x 24" 1 ½" x 9/16" x 48"
Wall Molding	L shape	15/16" x 9/16" x 142"



Surface Finish

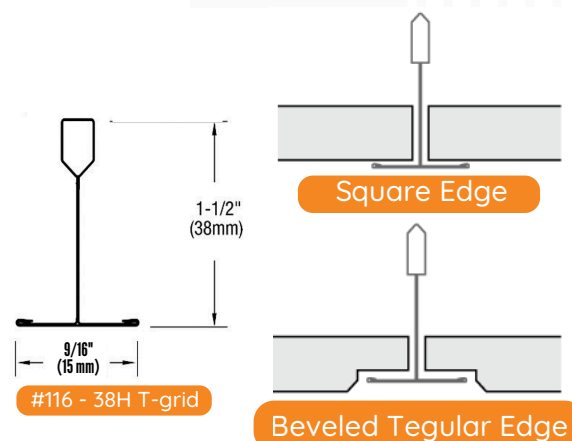
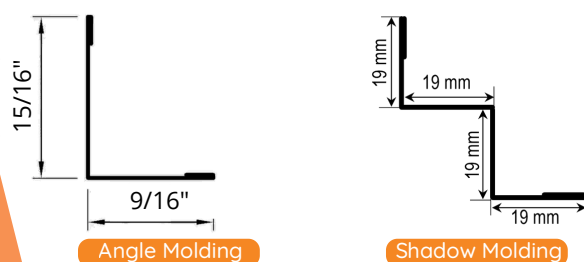
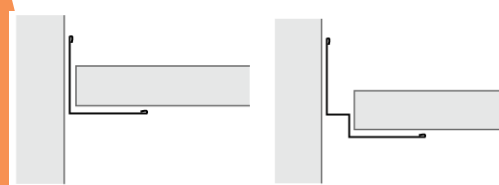
Baked polyester paint

Classification

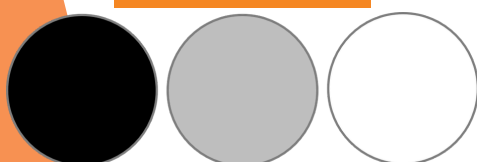
Intermediate heavy duty ID

Profile

Exposed tee system



COLOR CHART



PHYSICAL DATA

Type	38 H – Heavy Duty Suspension System
Intended use	As a support system in conjunction with various types of Benner Ceiling Tiles and other brands.
End detail	Main tee (12' / HD) Cross Tee (2' / 4' / HD) Wall Angle (HD)
Seismic performance	Compression / tension Main beam – 365 / 7 Cross Tee – 299 / 5
Materials	Components in general galvanized steel cap Fire rated commercial conditions Hot – dipped galvanized steel body
Requirements	Meets with all international code including seismic. Complies with ASTM C635
Application	Applicable to various types of buildings and/or mayor brand ceiling tiles

Technical Data Sheet



BAC CLIP-IN

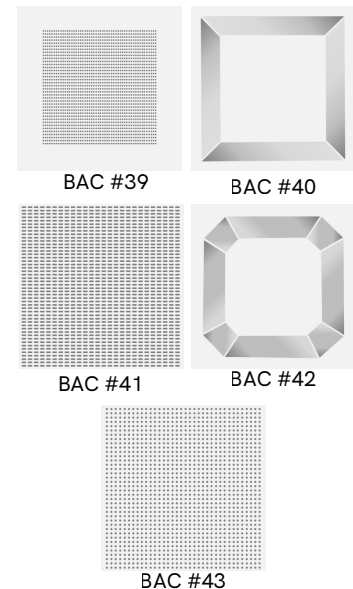


This product has the following subscriptions:



Characteristic	Technical Data
Dimensions	24" x 24" 24" x 48"
Edge Profile	Square
Perforation Design	Pattern BAC #43
Shape	Panel
Noise Reduction Coefficient (NRC)	Perforated 0.75 Non-Perforated 0.10
Fire Resistance / Flame Spread	Class A
Light Reflective	0.83
Ceiling Attenuation Class (CAC)	Up to 40
Microbial & Humidity Resistance (RH)	Very High
Durability	Impact resistance
Maintainability	Washable / Scrubbable
Pattern	Perforated & Non-Perforated
Surface Finish	Polyester Powder Paint
ASTM Classification	Type III

TILE PATTERNS



Standard color:

Specialty colors:



black

grey

white

mahogany

light

oak

walnut

Specialty colors are subject to a 5,000 square foot minimum purchase. They have no guarantee on color.

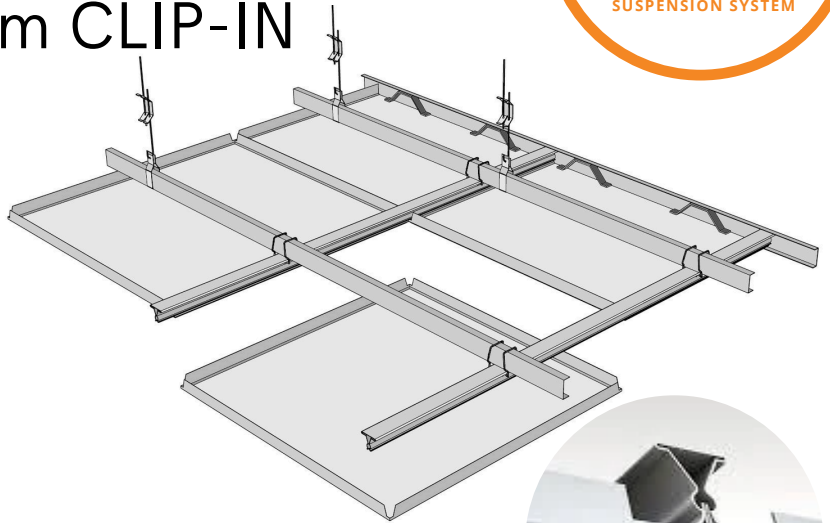
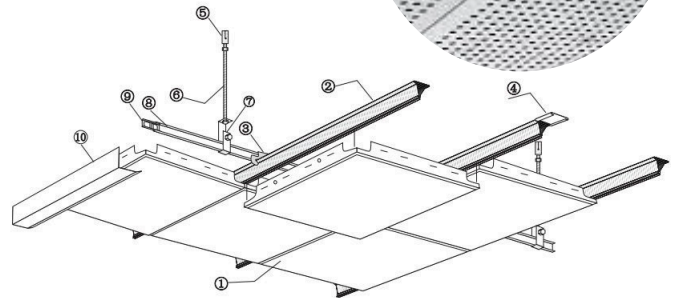
and more...



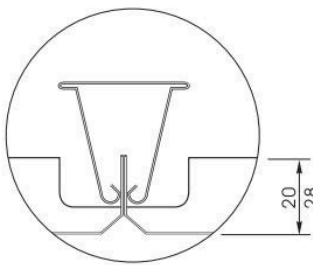
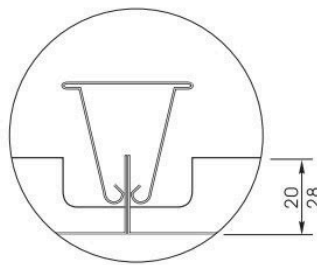
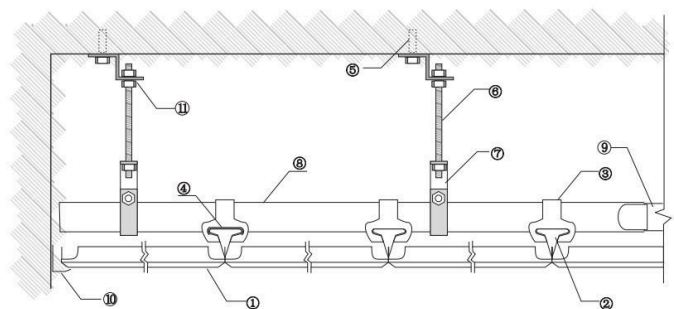
Suspension System CLIP-IN

BENEFITS:

- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
- Increased strength and stability for improved performance.
- Easy to cut.
- Rotary stitched for additional torsional strength and extra stability during installation.
- Faster and easier insertion/installation of cross tees.
- Tighter tee to tee connection.
- Better load carrying capability.

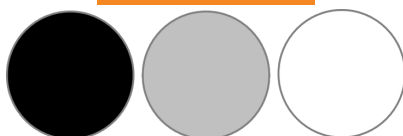


Code	Type	Dimension
BAC 45	38# GA.20 Rolled Channel	1 1/2" x 144"
	Tee Carrier	1 1/2" x 120"
Wall Molding	L shape	7/8" x 7/8" x 142"



- | | | |
|--|---------------------------------------|--------------------------|
| 1 Closed frame ceiling | 5 Expansion screw (opt) | 9 38# main carrier (opt) |
| 2 Spring tee runner | 6 Suspension bolt (opt) | 10 L-shape angle (opt) |
| 3 Spring tee runner suspension bracket | 7 38# Main carrier suspension bracket | |
| 4 Spring tee runner carrier connector | 8 38# Main carrier (opt) | |

COLOR CHART



PHYSICAL DATA	
Type	38 H – Heavy Duty Suspension System
Intended use	As a support system in conjunction with various types of Benner Ceiling Tiles and other brands.
End detail	Main tee (12' / HD) Cross Tee (2' / 4' / HD) Wall Angle (HD)
Seismic performance	Compression / tension Main beam – 365 / 7 Cross Tee – 299 / 5
Materials	Components in general galvanized steel cap Fire rated commercial conditions Hot – dipped galvanized steel body
Requirements	Meets with all international code including seismic. Complies with ASTM C635
Application	Applicable to various types of buildings and/or mayor brand ceiling tiles

Technical Data Sheet



BAC LINEAR C-SHAPE



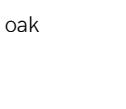
This product has the following subscriptions:



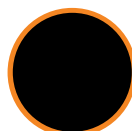
AIA



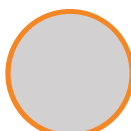
Characteristic	Technical Data
Dimensions	4" x 144" 6" x 144" 8" x 144"
Edge Profile	Shaped
Perforation Design	Pattern BAC #43
Shape	Linear Panel
Noise Reduction Coefficient (NRC)	Perforated 0.75 Non-Perforated 0.10
Fire Resistance / Flame Spread	Class A
Light Reflective	0.83
Ceiling Attenuation Class (CAC)	Up to 40
Microbial & Humidity Resistance (RH)	Very High
Durability	Impact resistance
Maintainability	Washable / Scrubbable
Pattern	Perforated & Non-Perforated
Surface Finish	Polyester Powder Paint
ASTM Classification	Type III



Standard color:



black



grey



white



mahogany



light



oak



walnut

Specialty colors are subject to a 5,000 square foot minimum purchase. They have no guarantee on color.

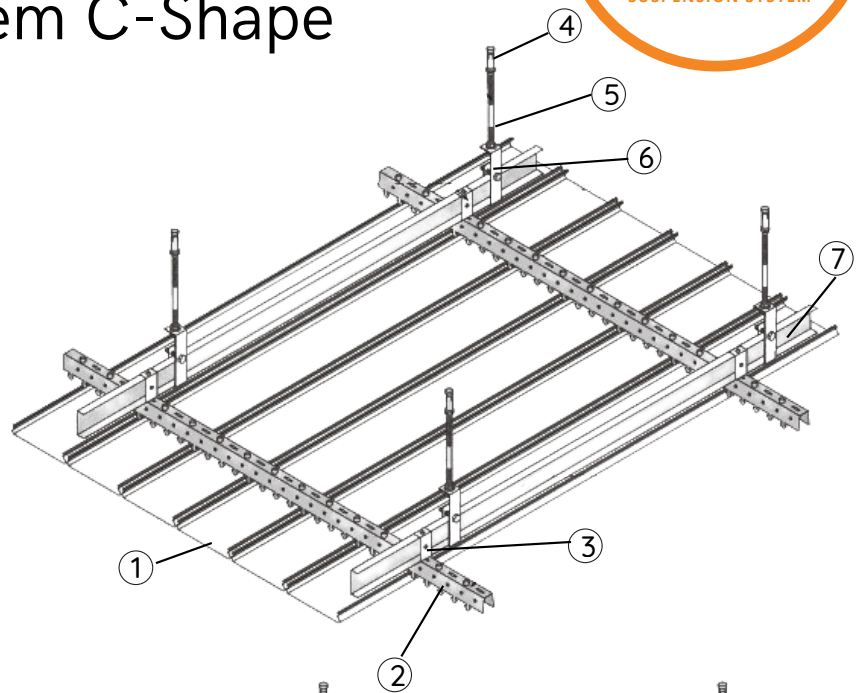
and more...



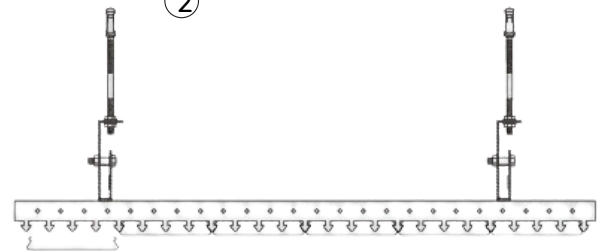
Suspension System C-Shape

BENEFITS:

- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
- Increased strength and stability for improved performance.
- Easy to cut.
- Rotary stitched for additional torsional strength and extra stability during installation.
- Faster and easier insertion/installation of cross tees.
- Tighter tee to tee connection.
- Better load carrying capability.



Code	Type	Dimension
BAC 48	38# GA.20 Rolled Channel	1 ½" x 144"
	CS Panel Carrier	1 ½" x 120"
Wall Molding	L shape	7/8" x 7/8" x 142"



The Drawing of Installation of Wall Edge Corner

The Drawing of Installation of C-shaped Strip Carrier

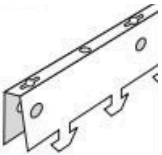
1 C-shape stripe panel



5 Suspension bolt (opt)



2 Panel carrier



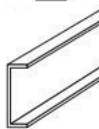
6 38# Main carrier suspension bracket



3 Hanger



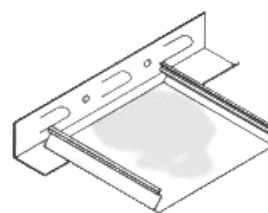
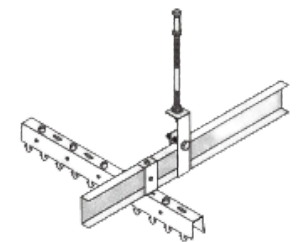
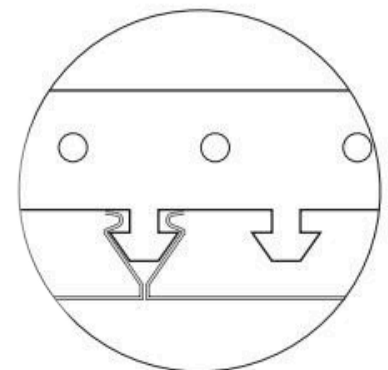
7 38# Main carrier (opt)



4 Expansion screw (opt)



8 L-shape angle (opt)



COLOR CHART



Technical Data Sheet



BAC LINEAR G-SHAPE



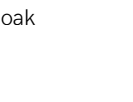
This product has the following subscriptions:



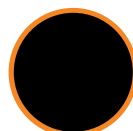
AIA



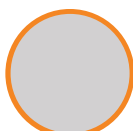
Characteristic	Technical Data
Dimensions	4" x 144" 6" x 144" 8" x 144"
Edge Profile	G-SHAPE
Perforation Design	Pattern BAC #43
Shape	Linear Panel
Noise Reduction Coefficient (NRC)	Perforated 0.75 Non-Perforated 0.10
Fire Resistance / Flame Spread	Class A
Light Reflective	0.83
Ceiling Attenuation Class (CAC)	Up to 40
Microbial & Humidity Resistance (RH)	Very High
Durability	Impact resistance
Maintainability	Washable / Scrubbable
Pattern	Perforated & Non-Perforated
Surface Finish	Polyester Powder Paint
ASTM Classification	Type III



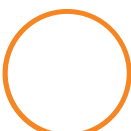
Standard color:



black



grey



white



mahogany



light



oak



walnut

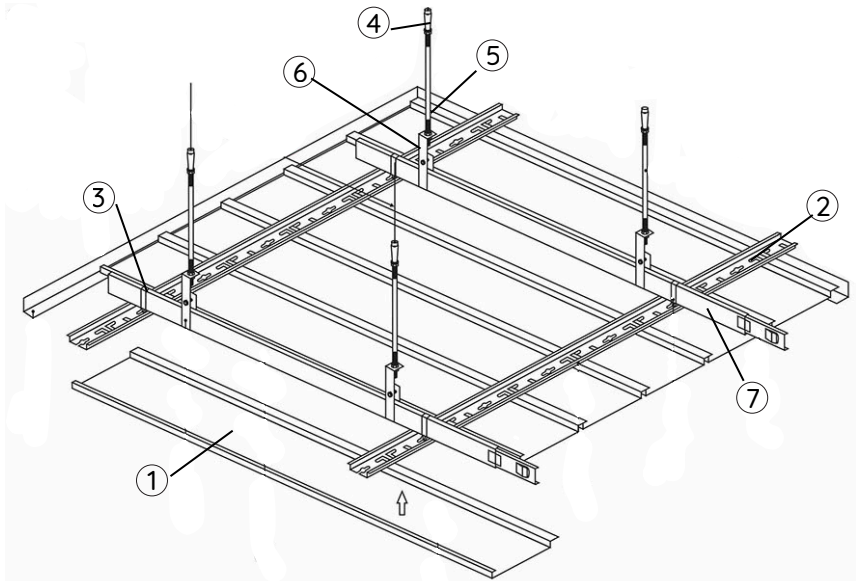
Specialty colors are subject to a 5,000 square foot minimum purchase. They have no guarantee on color.

and more...

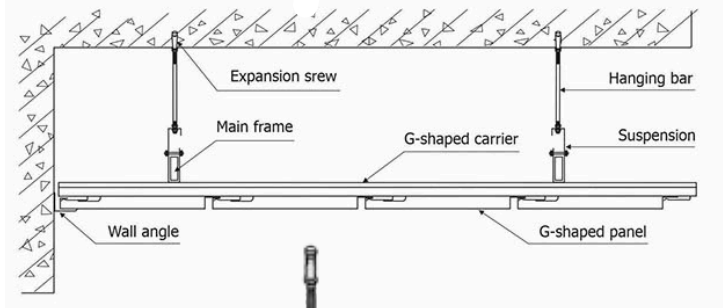
Suspension System G-Shape

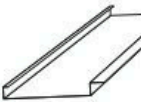
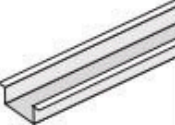
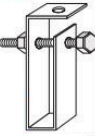
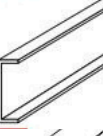
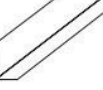
BENEFITS:

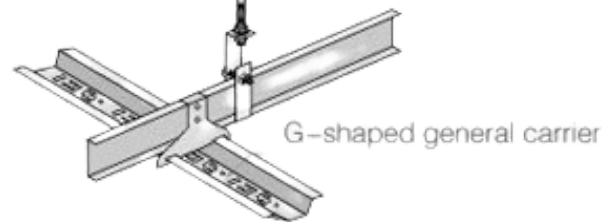
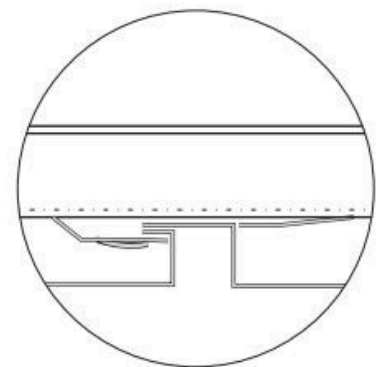
- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
- Increased strength and stability for improved performance.
- Easy to cut.
- Rotary stitched for additional torsional strength and extra stability during installation.
- Faster and easier insertion/installation of cross tees.
- Tighter tee to tee connection.
- Better load carrying capability.



Code	Type	Dimension
BAC 50	38# GA.20 Rolled Channel	1 ½" x 144"
	GS Panel Carrier	1 ½" x 120"
Wall Molding	L shape	7/8" x 7/8" x 142"



- | | | | |
|--------------------------------|---|--|---|
| 1 C-shape stripe panel |  | 5 Suspension bolt (opt) |  |
| 2 Panel carrier |  | 6 38# Main carrier suspension bracket |  |
| 3 Hanger |  | 7 38# Main carrier (opt) |  |
| 4 Expansion screw (opt) |  | 8 L-shape angle (opt) |  |



COLOR CHART



Technical Data Sheet

BAC LINEAR C & V



This product has the following subscriptions:



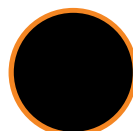
AIA



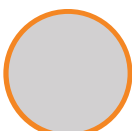
Characteristic	Technical Data
Dimensions	4" x 144" 6" x 144" 8" x 144"
Edge Profile	G-SHAPE
Perforation Design	Pattern BAC #43
Shape	Linear Panel
Noise Reduction Coefficient (NRC)	Perforated 0.75 Non-Perforated 0.10
Fire Resistance / Flame Spread	Class A
Light Reflective	0.83
Ceiling Attenuation Class (CAC)	Up to 40
Microbial & Humidity Resistance (RH)	Very High
Durability	Impact resistance
Maintainability	Washable / Scrubbable
Pattern	Perforated & Non-Perforated
Surface Finish	Polyester Powder Paint
ASTM Classification	Type III



Standard color:



black



grey



white



mahogany



light



oak



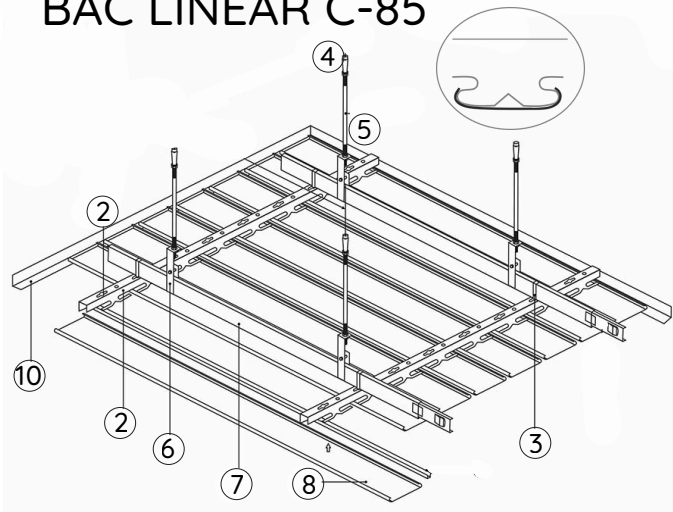
walnut

Specialty colors are subject to a 5,000 square foot minimum purchase. They have no guarantee on color.

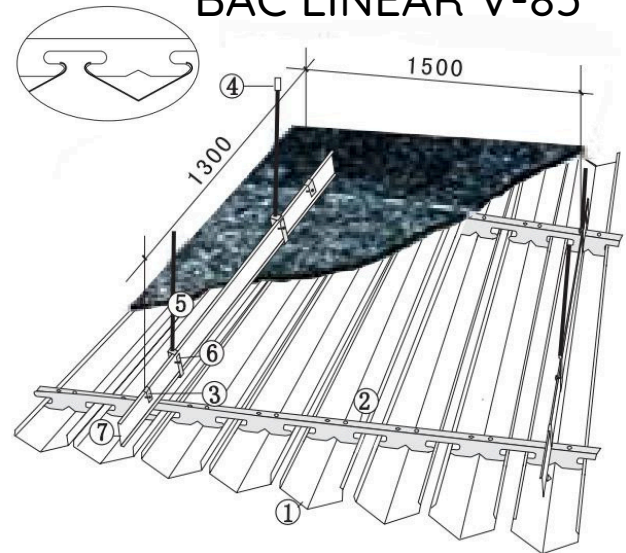
and more...

Suspension System

BAC LINEAR C-85

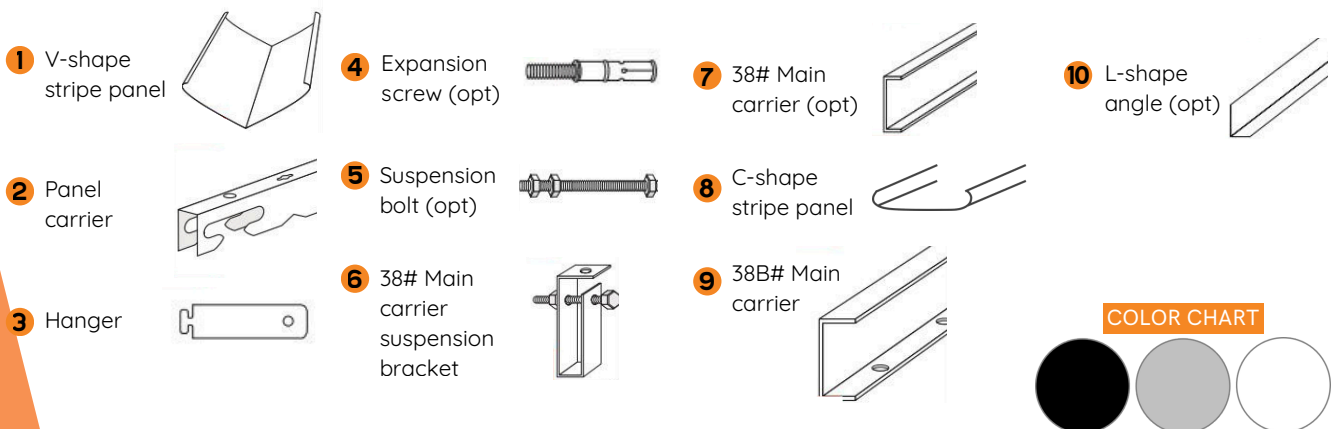


BAC LINEAR V-85



Code	Type	Dimension
C-85	38# GA.20 Rolled Channel	1 ½" x 144"
	G85 Panel Carrier	1 ½" x 120"
Wall Molding	L shape	7/8" x 7/8" x 142"

Code	Type	Dimension
V-85	38# GA.20 Rolled Channel	1 ½" x 144"
	V85 Panel Carrier	1 ½" x 120"
Wall Molding	L shape	7/8" x 7/8" x 142"



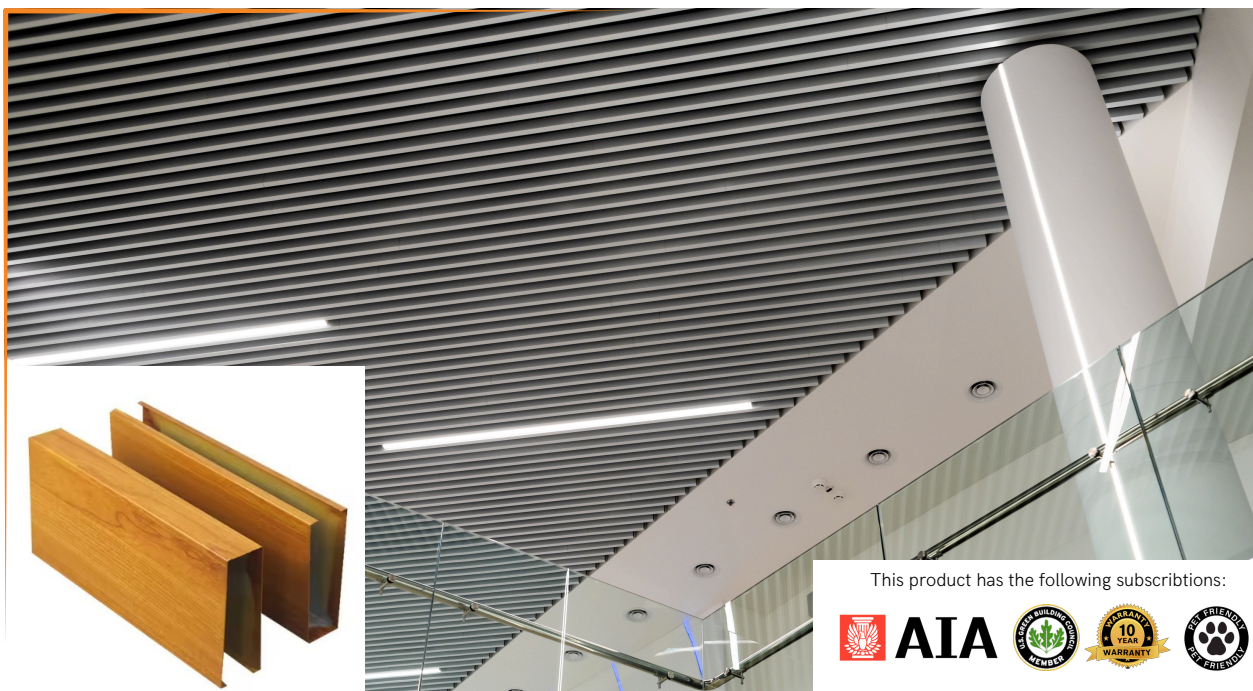
BENEFITS:

- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
- Increased strength and stability for improved performance.
- Easy to cut.
- Rotary stitched for additional torsional strength and extra stability during installation.
- Faster and easier insertion/installation of cross tees.
- Tighter tee to tee connection.
- Better load carrying capability.

Technical Data Sheet



BAC LINEAR ALU-BAFFLE



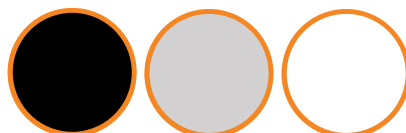
This product has the following subscriptions:



Characteristics	Technical Data
Surface texture	Smooth
Composition	Aluminum
Surface Finished	Polyester powder paint
Shape	Linear baffle panel
Sizes Options	See size options chart *
Edge Profile	Shaped
Suspension System approved for this model	38# GA - HD Alu-Baffle System
Durability	Impact resistance
Noise Reduction Coefficient (NRC) – ASTM C423	Non-Perforated 0.10
Acoustic Composition	Soundtex Tissue
Ceiling Attenuation Class (CAC) – ASTM 1414 / Classified with UL label	Up to 40
Fire resistance – ASTM E84 / Flame Spread – ASTM E1264 (In compliance with CE / EN 13964)	Class A
Light Reflectance	0.83
Humidity Resistance (HR)	Highly Resistant
Microbial Resistance (MR) – ASTM D6329	Highly Resistant
Air Quality Standards – ASTM D5116	Highest Air Quality
ASTM Classification	Type III
Environmental Responsibility	High recycled content
Colors Options	Standard: White, Grey, Black
Specialty Color Available	Wood finished options
Maintainability	Washable / Scrubbable



Standard color:



black

grey

white

Specialty colors:



mahogany

light

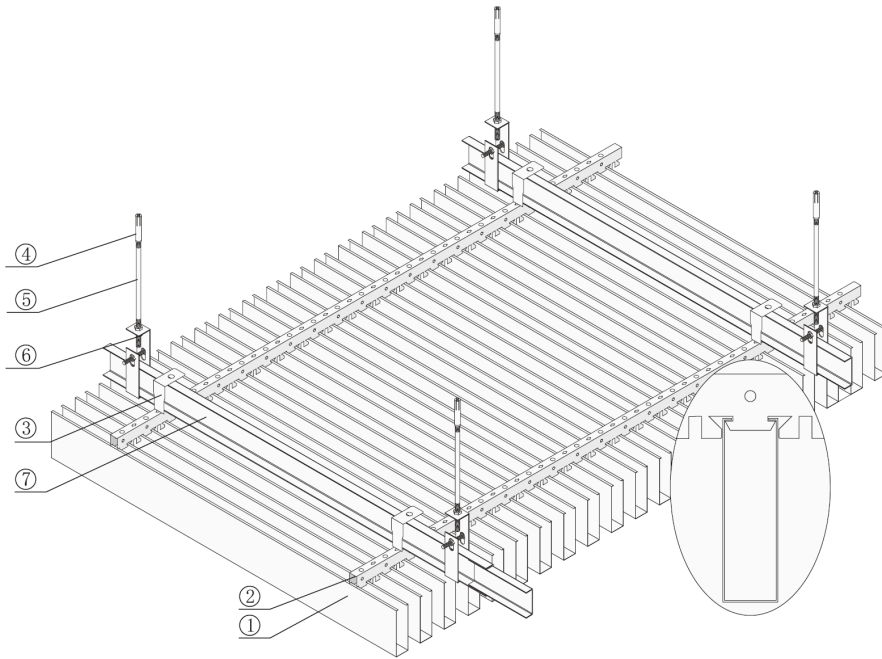
oak

walnut

Specialty colors are subject to a 5,000 square foot minimum purchase. They have no guarantee on color.

and more...

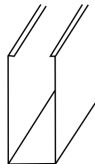
Suspension System Alu-Baffle



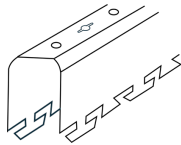
SUSPENSION SYSTEM BENEFITS:

- Hot dipped galvanized coating inhibits red rusting better than electrogalvanized.
- System is engineered and designed to fit and provide high quality finish.
- Main Tee easy profile for installation with Cross Tee.
- Increased strength and stability for improved performance.
- Easy to cut.
- Rotary stitched for additional torsional strength and extra stability during installation.
- Faster and easier insertion/installation of cross tees.
- Tighter tee to tee connection.
- Better load carrying capability.

1 Square Groove Linear Panel



2 Panel carrier



3 Hanger



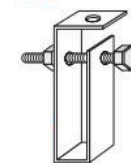
4 Expansion screw (opt)



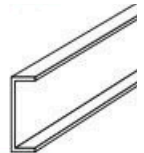
5 Suspension bolt (opt)



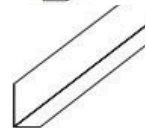
6 38# Main carrier suspension bracket



7 38# Main carrier (opt)



8 L-shape angle (opt)



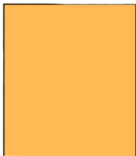
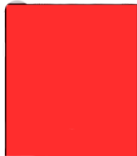
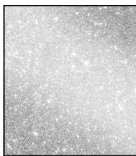
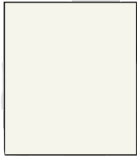
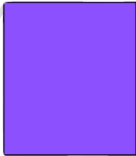
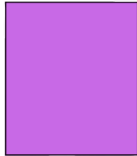
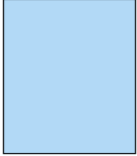
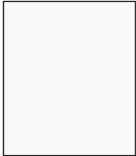
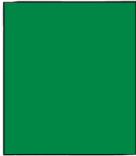
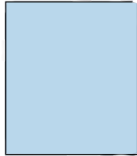
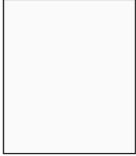
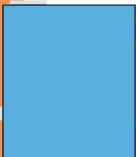
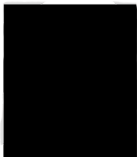
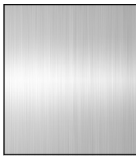
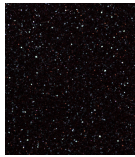
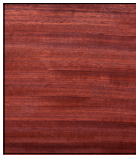
COLOR CHART



Alu-Baffle Size Options Chart:

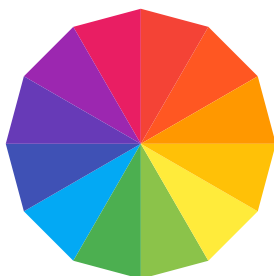
Name	Width x Height	Length	Other available Heights:	
Alu-Baffle 25	25 x 50mm (0.98" x 1.97")	1000 mm (3.28") 3000 mm (9.84")	60 mm (2.36")	100 mm (3.94")
			70 mm (2.76")	110 mm (4.33")
			80 mm (3.15")	120 mm (4.72")
			90 mm (3.54")	
Alu-Baffle 30	30 x 39 mm (1.18" x 1.54")	1000 mm (3.28") 3000 mm (9.84")	45 mm (1.77")	90 mm (3.54")
			60 mm (2.36")	100 mm (3.94")
			80 mm (3.15")	
Alu-Baffle 40	40 x 50 mm (1.57" x 1.97")	1000 mm (3.28") 3000 mm (9.84")	60 mm (2.36")	100 mm (3.94")
			70 mm (2.76")	110 mm (4.33")
			80 mm (3.15")	120 mm (4.72")
			90 mm (3.54")	
Alu-Baffle 50	50 x 50 mm (1.97" x 1.97")	1000 mm (3.28") 3000 mm (9.84")	60 mm (2.36")	100 mm (3.94")
			70 mm (2.76")	110 mm (4.33")
			80 mm (3.15")	120 mm (4.72")
			90 mm (3.54")	
Alu-Baffle 100	100 x 100 mm (3.94" x 3.94")	1000 mm (3.28") 3000 mm (9.84")	60 mm (2.36")	100 mm (3.94")
			70 mm (2.76")	110 mm (4.33")
			80 mm (3.15")	120 mm (4.72")
			90 mm (3.54")	

COLOR CHART - ALUMINUM TILES

							
White #BAC 0010	White #BAC 8813	Orange #BAC 049	Flag Red #BAC 457	Pearl White #BAC JH101	Golden #BAC JH109	Silver #BAC JH 3311	White #BAC JL8801
							
White #BAC 9003	White #BAC 0065	Violet #BAC 914	Pink Violet #BAC 9002	Blue #BAC JH 103	Silver Grey #BAC JH201	White #BAC JL2001	White #BAC JL1101
							
Lite Grey #BAC 7189	Grey #BAC 7143	Grass Green #BAC 480	Lake Blue #BAC 365	Dark Red #BAC JH106	Dark Blue #BAC JH107	White #BAC JL3317	White #BAC 1102
							
Sky Blue #BAC 8813	Black #BAC 108	Spec #BAC 800	Spec Gold #BAC 790-20	Brushed Yellow #BAC JH207	Pearl Black #BAC JH108	Wood #BAC JL707	Wood #BAC JL731

COLOR CHART - ALUMINUM TILES

Painted:



Specialty colors are subject to a 5,000 square foot minimum purchase.

Wood finish:

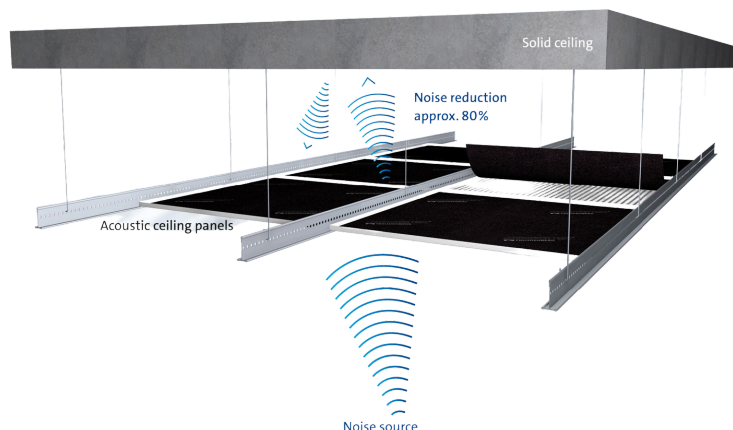
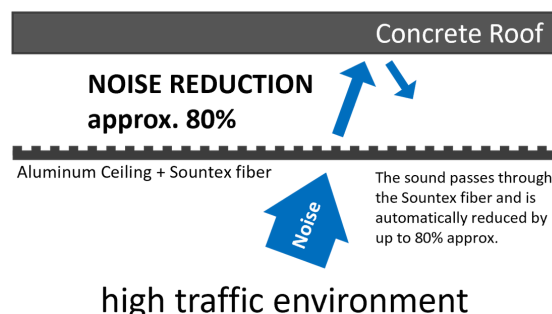


SOUNDTEX®

SOUNDTEX® is a thin acoustic nonwoven that is applied to the back of perforated structures to absorb sound. The material offers a number of economic and environmental advantages over competitive solutions.

SOUNDTEX® is ideal for suspended grid ceilings. The grid work is hung at a calculated distance from the structural ceiling, and perforated metal panels. To broaden the absorption range, each perforated panel can be backed with SOUNDTEX®, essentially a paper thin air filter.

SOUNDTEX® provides an increased resistance to airflow which dissipates sound energy by converting it into heat.



Features:

- Reduces reverberation.
- Hot melt adhesive backing (for easy installation).
- Available in Black.
- Variety of sizes, and custom options available.

The Solution:

- Effective sound absorption.
- Improved intelligibility of announcements.
- Easy installation.
- No negative effects on architecture.
- Low bulk volume.
- Environmental compatibility thanks to no harmful substances being used.
- Non-flammable.

Applications:

- Wood or Metal slotted Ceilings Residential
- Commercial
- Home theatres
- TV/ Media rooms
- Reverberant spaces

TECHNICAL PROPERTIES

Fiber	cellulose / glass
Binder system	synthetic resin
Structure of non-woven	random
Weight	63 g/m ²
Thickness	0.27 mm
Sound impedance	190 Ns/m ³

Additional Information:

1. Rating according to ISO 11654: Weighted sound absorption coefficient 0.75.
2. Sound absorption class: C
3. Rating according to ASTM C423:
 - a. NRC* 0.80
 - b. SAA** 0.81
4. Air Cavity: 150 mm
5. Open perforated area: approx. 10%
6. Hole diameter: w= 1.8 mm

*Noise Reduction Coefficient

**Sound Absorption Average