

MUTO PIATTO

CEILING BAFFLE PRODUCT SPECIFICATION





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ABOUT

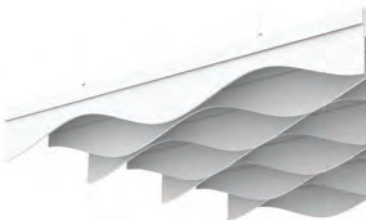
With large open-concept floor plans and fast paced office culture comes noise. Is productivity and concentration an issue in your space? MUTO Piatto Baffles are your solution for ceilings that speak softly. From a single row or a ceiling filled with baffles, we can help you address your noise concerns and create a quieter environment.

'Piatto' meaning 'Flat' in Italian is Architectural Bling's texture-less version of high performing acoustical ceiling baffles. Manufactured with a 'Cavallo' fastener for increased rigidity and structure and optimal sound absorption, sound control just got a whole lot easier. Choose from standard profiles or explore options to create your own for a ceiling array with movement, color and the function your open office needs. Select from up to 19 different colorways or a combination of colors to design a ceiling that supports your brand or simply your design ideas.

Each Piatto baffle comes with 2 attached universal hardware couplers (f) that attach to any 1/4" - 20 thread available in the industry for a quick-and-easy installation. Fasten directly to the deck or select suspension options that cater to your specific ceiling and installation needs. The universal coupler can easily be moved to accommodate specific installation variances for a 'no hassle' installation.

Shhh! Can you hear that? It's MUTO!

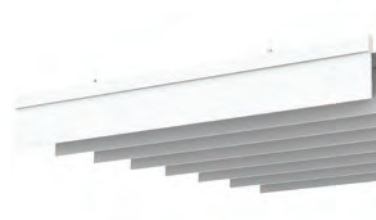
PATTERNS



Giro Piatto



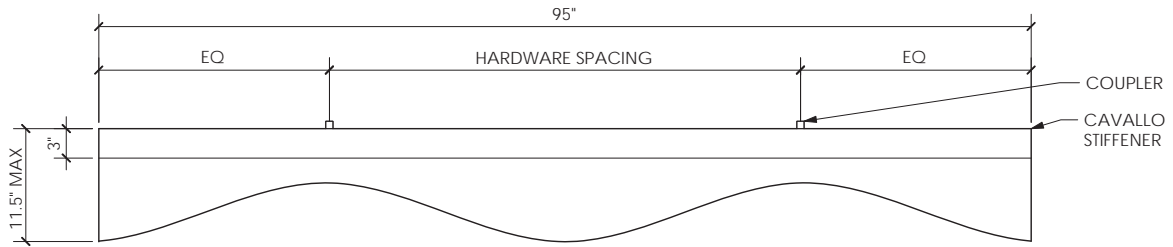
Pinna Piatto



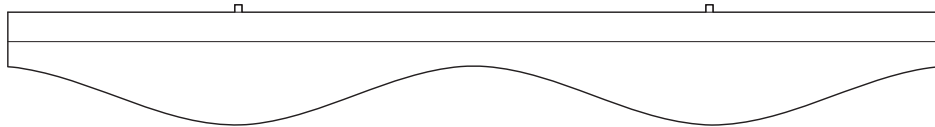
Quadro Piatto

GIRO PIATTO

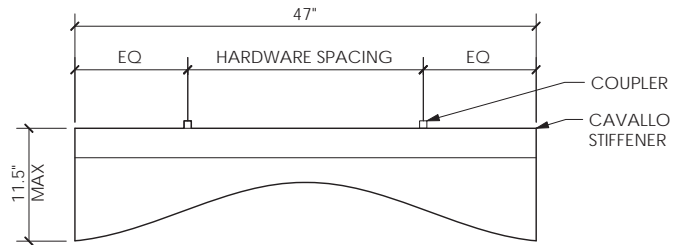
BAFFLE SIZES AND DIMENSIONS



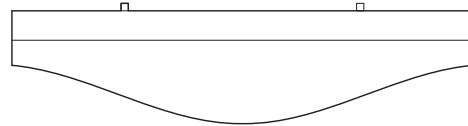
GIRO PIATTO 8' ELEVATION - FRONT
PROFILE "A"



GIRO PIATTO 8' ELEVATION - FRONT
PROFILE "B"

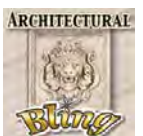


GIRO PIATTO 4' ELEVATION - FRONT
PROFILE "AA"



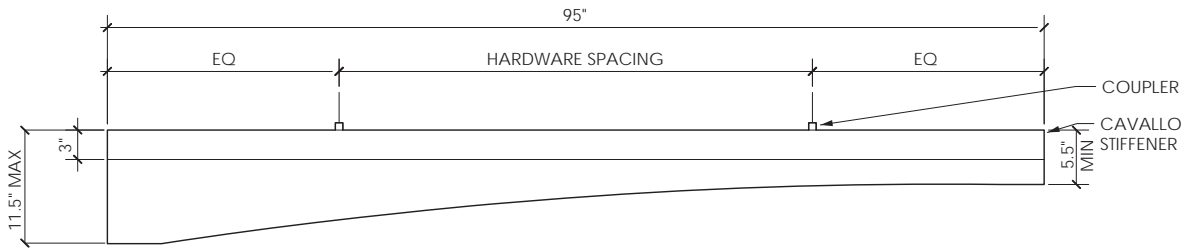
GIRO PIATTO 4' ELEVATION - FRONT
PROFILE "BB"

STANDARD SIZES : GIRO PIATTO			
WIDTH		HARDWARE SPACING	DEPTH
NOMINAL	ACTUAL		
8'	95"	48"	11.5"
4'	47"	24"	11.5"

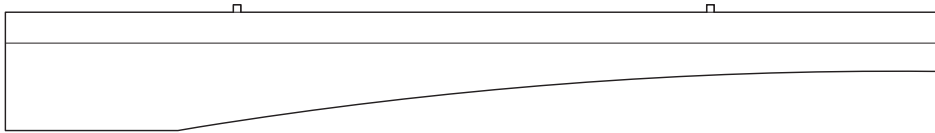


PINNA PIATTO

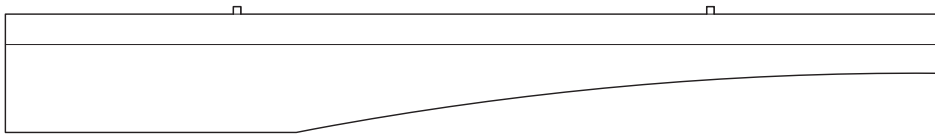
BAFFLE SIZES AND DIMENSIONS



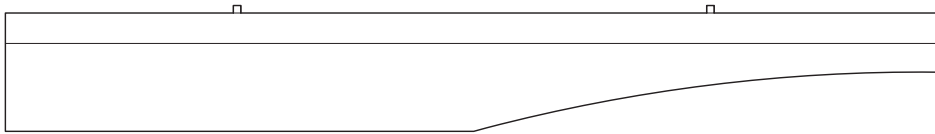
PINNA PIATTO 8' ELEVATION - FRONT
PROFILE "A"



PINNA PIATTO 8' ELEVATION - FRONT
PROFILE "B"

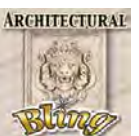


PINNA PIATTO 8' ELEVATION - FRONT
PROFILE "C"



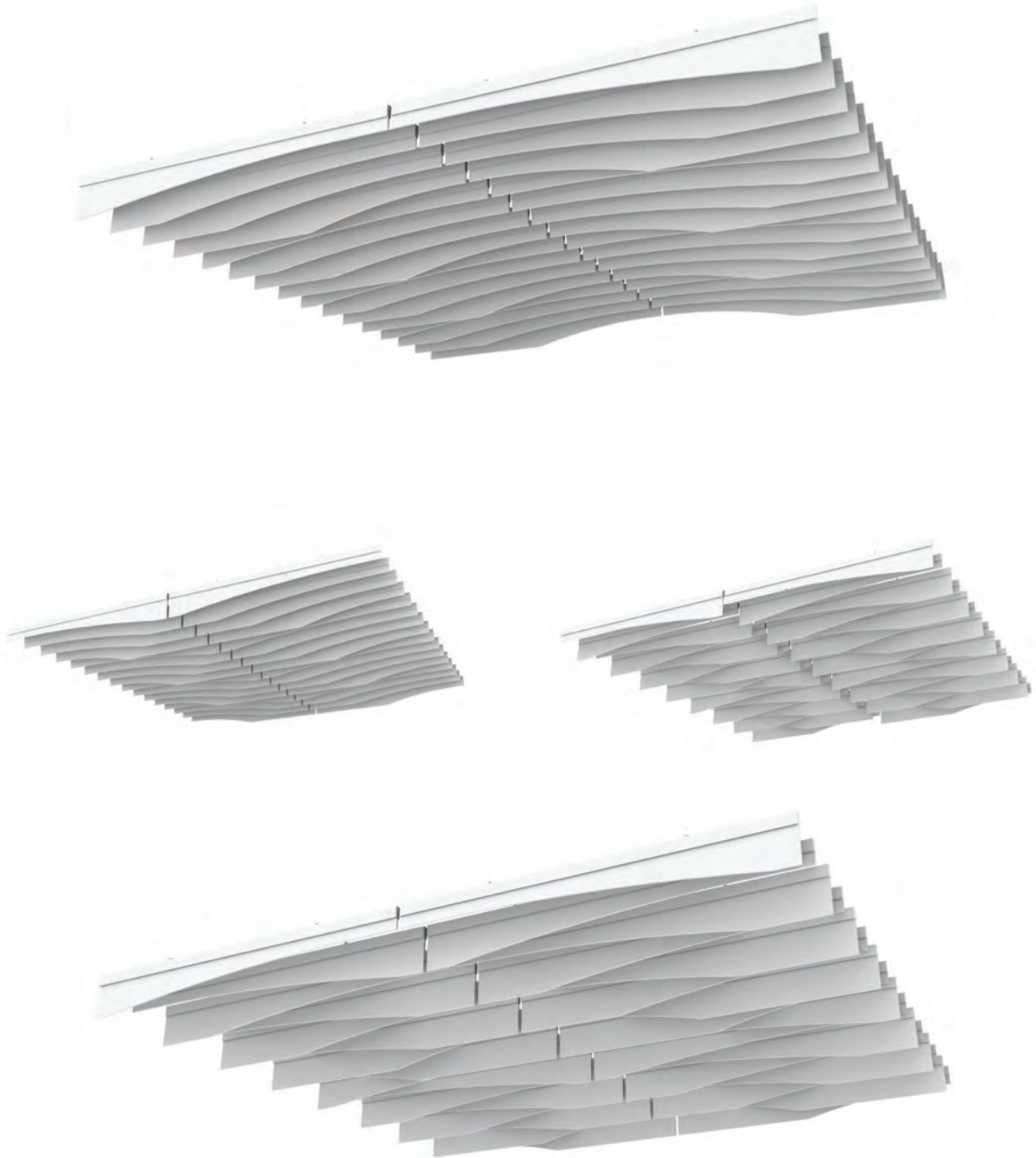
PINNA PIATTO 8' ELEVATION - FRONT
PROFILE "D"

STANDARD SIZES : PINNA PIATTO			
WIDTH		HARDWARE SPACING	DEPTH
NOMINAL	ACTUAL		
8'	95"	48"	11.5"



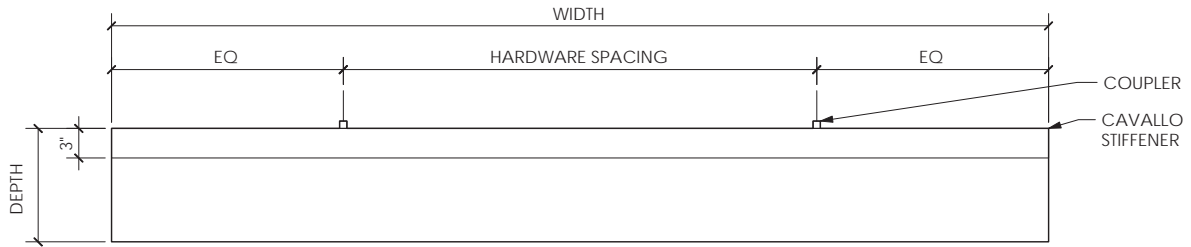
PINNA PIATTO

CONFIGURATION AND DESIGN IDEAS



QUADRO PIATTO

BAFFLE SIZES AND DIMENSIONS



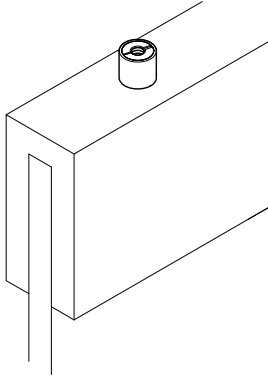
QUADRO PIATTO ELEVATION - FRONT
95" x 11.5" SHOWN

STANDARD SIZES: QUADRO PIATTO			
WIDTH		HARDWARE SPACING	AVAILABLE DEPTHS
NOMINAL	ACTUAL		
8'	95"	48"	7.5" / 9.5" / 11.5"
7'	83"	48"	
6'	71"	48"	
5'	59"	48"	
4'	47"	24"	

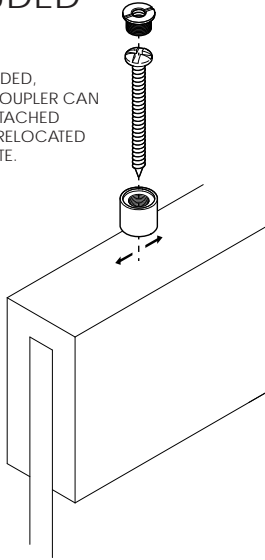


UNIVERSIAL COUPLER INCLUDED

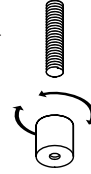
1/4"-20 THREADED COUPLERS
ARRIVE INSTALLED ON EACH
BAFFLE.



IF NEEDED,
THE COUPLER CAN
BE DETACHED
AND RELOCATED
ON-SITE.

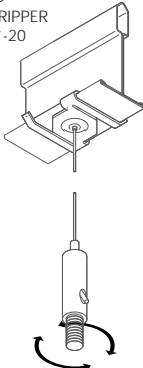


THE COUPLER CAN
BE ATTACHED
TO ANY 1/4"-20
THREADED SYSTEM.
THIS INCLUDES A
VARIETY OF CABLE
GRIPPERS AND
BOLTS.

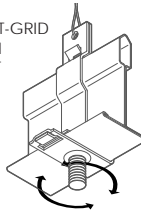


HARDWARE ATTACHMENT BY OTHERS

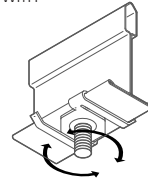
T-GRID TO
CABLE GRIPPER
WITH 1/4"-20



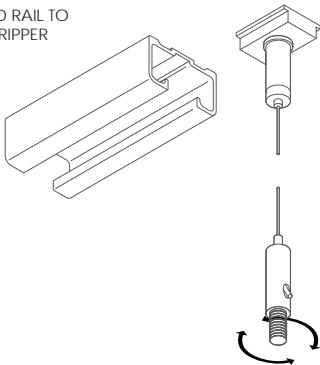
SUSPENDED T-GRID
CLAMP WITH
1/4"-20 BOLT



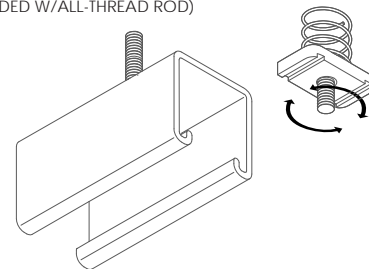
T-GRID CLAMP WITH
1/4"-20 BOLT



EXTRUDED RAIL TO
CABLE GRIPPER

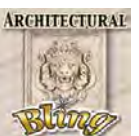


STRUT AND 1/4"-20 SPRING-NUT
(SUSPENDED W/ALL-THREAD ROD)



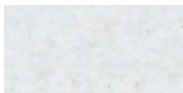
SPECIFICATIONS

PRODUCT NAME	PIATTO BAFFLE
PATTERN NAMES	GIRO PIATTO, PINNA PIATTO AND QUADRO PIATTO
CONTENT	100% POLYESTER PET
CORE THICKNESS	+/- 0.5" (12mm)
BAFFLE THICKNESS	+/- 1.5" (38 mm) WITH CAVALLO STIFFENER
STANDARD SIZES	MINIMUM LENGTH: 48" (NOMINAL) MAXIMUM LENGTH: 96" (NOMINAL) DEPTH: 12" (NOMINAL)
EDGE OPTIONS	EXPOSED PET
DURABILITY	CONTRACT
HARDWARE	1/4" - 20 THREADED COUPLER (f)
SUSPENSION OPTIONS	CEILING MOUNTED SUSPENSION CABLE SUSPENSION ROD
LEAD TIME	2-4 WEEKS
MAINTENANCE	VACUUM TO REMOVE DUST AND DEBRIS. COMPRESSED AIR CAN BE USED TO CLEAN HARD TO REACH AREAS. SPOT CLEAN IMMEDIATELY USING A DAMP CLOTH OR SOAP AND WATER. CARPET AND FABRIC CLEANERS MAY ALSO BE USED. (TEST IN AN INCONSPICUOUS AREA.)
ENVIRONMENTAL	PIATTO BAFFLES ARE PRODUCED FROM 100% RECYCLABLE PET WITH NO ADDED UREA FORMALDEHYDE. PIATTO BAFFLES ARE 100% PET AND CAN BE RECYCLED THROUGH THE NORMAL WASTE SYSTEM.
VARIATION	PET IS MADE WITH A 'FELTING' PROCESS WHICH RESULTS IN A TEXTURAL HEATHERED EFFECT WHERE THE FIBERS CONSIST OF MULTIPLE TONES AND SHADES. SLIGHT AND CONSISTENT VARIATION IN COLOR SHOULD BE EXPECTED. COLOR WILL VARY FROM DYE LOT.
ACOUSTICS	ASTM C423 - 17: NRC 0.85 / 0.90 (SEE ACOUSTIC DATA)
FIRE RATING	ASTM - E84: CLASS A FIRE RATED
COLORFASTNESS TO LIGHT	AATCC 16.3 OPTION 3 - THE COLOR CHANGE AT 20 AFU - 4.5
APPLICATION	INDOOR USE ONLY

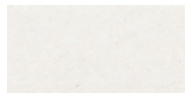




COLORWAYS



White



Bone



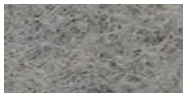
Oatmeal



Camel



Cashmere



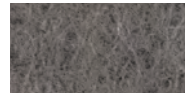
Fog



Nordic Knit



Lamb's Ear



Pewter



Winter Water



Graphite



Black



Midnight



Splash



Storm



Lichen



Sunshine

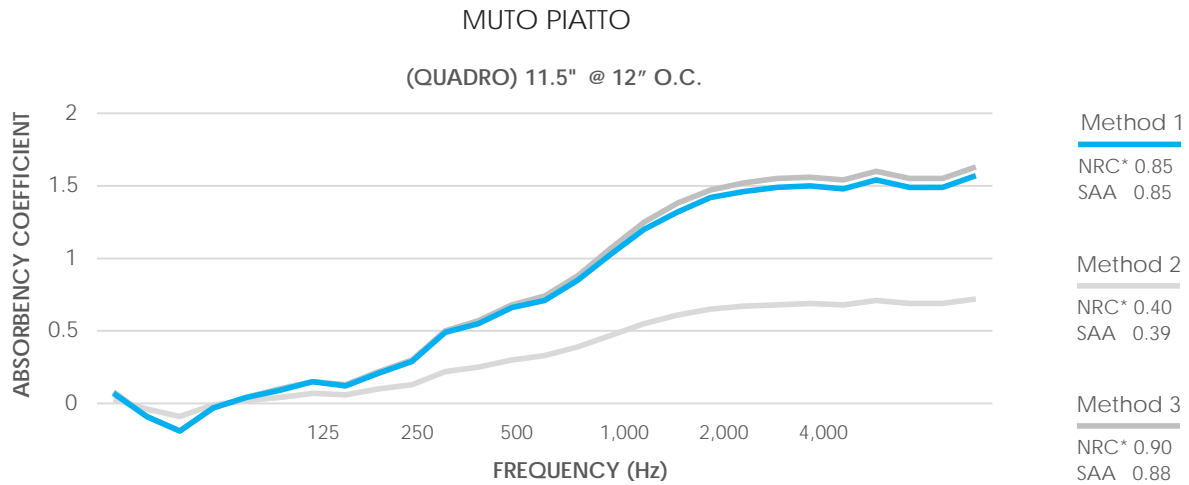


Clementine



Chili Pepper

ACOUSTICS



*APPARENT NRC RATINGS

NRC values are typically used for flat surfaces of a given surface area, e.g. carpet or wall coverings. When testing hanging objects that are spread out, the 'Apparent NRC' is used.

WHAT IS NRC?

NRC is an acronym for Noise Reduction Coefficient. This is a convenient single rating for assessing the absorbency of a material. This can be used to predict its efficacy for reducing reverberation within a room. NRC is the average absorption coefficient of 125 Hz, 250 Hz, 500 Hz and 1,000 Hz, rounded to the nearest 0.05.

WHAT IS SAA?

SAA (Sound Absorption Average) is similar to an NRC rating. However, 12 values from 200 Hz – 2,500 Hz (1/3 octave intervals) are averaged and rounded to the nearest 0.01. This method is preferred by the acoustics community and is more representative of performance in the range of human speech.

WHY NOT STC?

STC (Sound Transmission Class) is a value used to describe the amount of sound that passes through a barrier. This can be given to a material or an entire wall assembly. If you need to assess how well a barrier can block sound between rooms you'll need to know the STC rating. Acoustic baffles are not used to physically divide rooms, but rather to absorb noise within a room. Problematic noise in a room is called reverberation. This can manifest as a droning or a ringing sound when people are speaking, or in the worst case: an echo. For this reason, NRC or SAA are the appropriate rating systems for treating reverberation issues.

WHY ARE THERE MULTIPLE METHODS?

There is no single standard method for calculating Apparent NRC for hanging baffles. The rating is taken from the performance of a sample of baffles at a given size and spacing over a given surface area of exposed material. However, the surface area used to calculate this is not standardized and will give different values.

Method 1 uses the surface area of the baffle array covering the ceiling. (9) 8'-0" wide baffles installed at 12" o.c. would give a surface area of 72 sf (plus the exposed bottom edge of the baffles).

Method 2 uses for the surface area of all sides of the baffles added together. This accounts for the entire exposed surfaces of each baffle. (9) 8'-0" wide by 12" deep and 1" thick baffles would give a surface area of 157.5 SF (17.5 SF per baffle).

Method 3 uses for the surface area of one side of the larger face of a baffle. (9) 8'-0" wide by 12" deep baffles would give a surface area of 72 SF (8 SF per baffle).

MUTO FIBRA

CEILING BAFFLE PRODUCT SPECIFICATION





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ABOUT

With large open-concept floor plans and fast paced office culture comes noise. Is productivity and concentration an issue in your space? MUTO Fibra Baffles are your solution for ceilings that speak softly. From a single row or a ceiling filled with baffles, we can help you address your noise concerns and create a quieter environment.

'Fibra' meaning 'Fiber' in Italian is Architectural Bling's texture-ful version of high performing acoustical ceiling baffles. Manufactured with a 'Cavallo' fastener for increased rigidity and structure and optimal sound absorption, sound control just got a whole lot easier. Choose from standard profiles or explore options to create your own for a ceiling array with movement, color and the function your open office needs. Select from up to 19 different colorways or a combination of colors to design a ceiling that supports your brand or simply your design ideas.

Each Fibra baffle comes with 2 attached universal hardware couplers (f) that attach to any 1/4" - 20 thread available in the industry for a quick-and-easy installation. Fasten directly to the deck or you can select suspension options that cater to your specific ceiling and installation needs. The universal coupler can easily be moved to accommodate specific installation variances for a 'no hassle' installation.

Shhh! Can you hear that? It's MUTO!

PATTERNS



Bolla Fibra



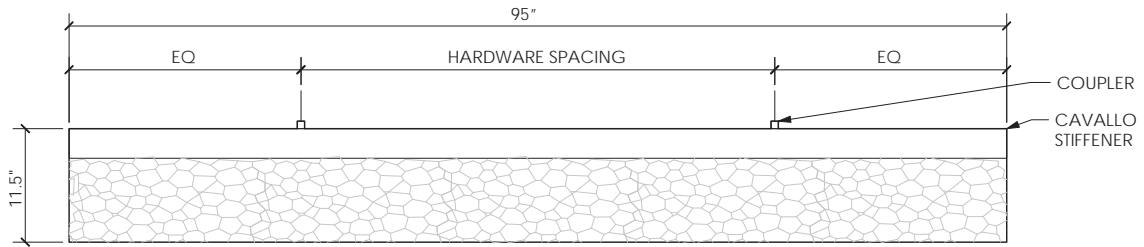
Bomba Fibra



Corsa Fibra

BOLLA FIBRA

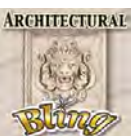
BAFFLE SIZES AND DIMENSIONS



BOLLA FIBRA ELEVATION - FRONT

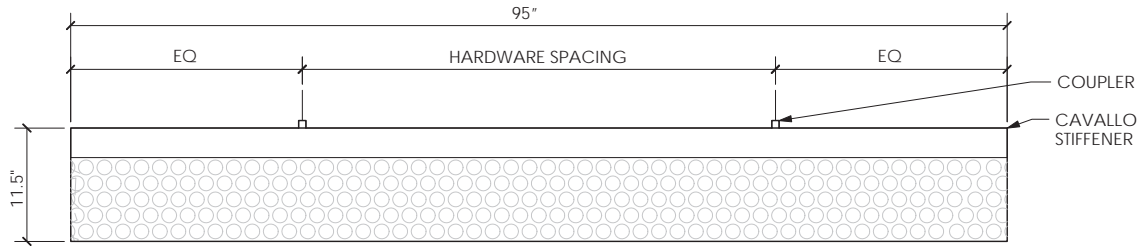
WIDTH		HARDWARE SPACING	DEPTH
NOMINAL	ACTUAL		
8'	95"	48"	11.5"

***Custom lengths available with the addition of a mold fee of \$150. Please note: pattern continuation is not available in custom lengths. Please contact your representative for details.



BOMBA FIBRA

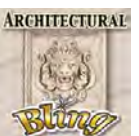
BAFFLE SIZES AND DIMENSIONS



BOMBA FIBRA ELEVATION - FRONT

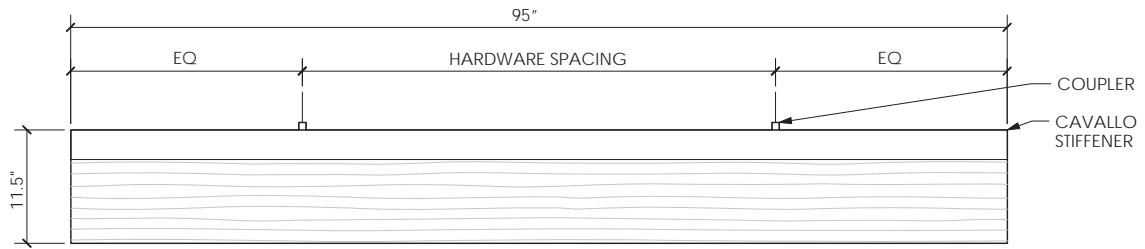
STANDARD SIZES : BOMBA FIBRA			
WIDTH		HARDWARE SPACING	DEPTH
NOMINAL	ACTUAL		
8'	95"	48"	11.5"

***Custom lengths available with the addition of a mold fee of \$150. Please note: pattern continuation is not available in custom lengths. Please contact your representative for details.



CORSA FIBRA

BAFFLE SIZES AND DIMENSIONS



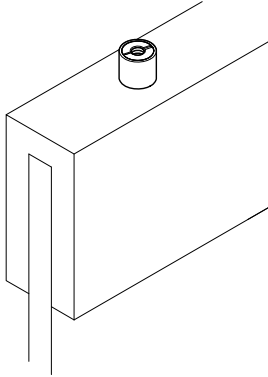
CORSA FIBRA ELEVATION - FRONT

STANDARD SIZES : CORSA FIBRA			
WIDTH		HARDWARE SPACING	DEPTH
NOMINAL	ACTUAL		
8'	95"	48"	11.5"

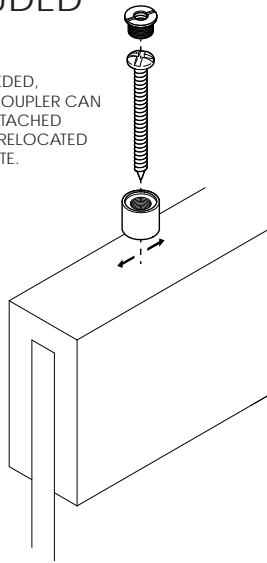
***Custom lengths available with the addition of a mold fee of \$150. Please note: pattern continuation is not available in custom lengths. Please contact your representative for details.

UNIVERSIAL COUPLER INCLUDED

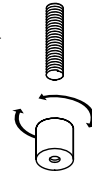
1/4"-20 THREADED COUPLERS ARRIVE INSTALLED ON EACH BAFFLE.



IF NEEDED, THE COUPLER CAN BE DETACHED AND RELOCATED ON-SITE.

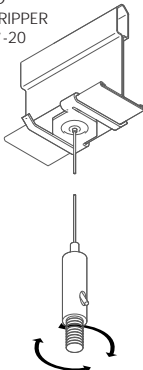


THE COUPLER CAN BE ATTACHED TO ANY 1/4"-20 THREADED SYSTEM. THIS INCLUDES A VARIETY OF CABLE GRIPPERS AND BOLTS.

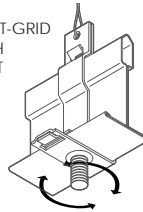


HARDWARE ATTACHMENT BY OTHERS

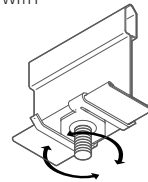
T-GRID TO CABLE GRIPPER WITH 1/4"-20



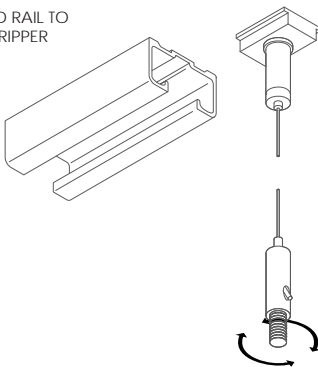
SUSPENDED T-GRID CLAMP WITH 1/4"-20 BOLT



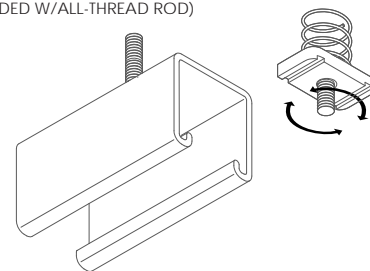
T-GRID CLAMP WITH 1/4"-20 BOLT



EXTRUDED RAIL TO CABLE GRIPPER

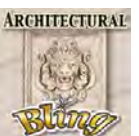


STRUT AND 1/4"-20 SPRING-NUT (SUSPENDED W/ALL-THREAD ROD)



SPECIFICATIONS

PRODUCT NAME	FIBRA BAFFLE
PATTERN NAMES	BOLLA FIBRA, BOMBA FIBRA AND CORSA FIBRA
CONTENT	100% POLYESTER PET
CORE THICKNESS	+/- 0.5" (12mm)
BAFFLE THICKNESS	+/- 1.5" (38 mm) WITH CAVALLO STIFFENER
STANDARD SIZES	MINIMUM STANDARD LENGTH: 96" (NOMINAL) MAXIMUM STANDARD LENGTH: 96" (NOMINAL) DEPTH: 12" (NOMINAL)
EDGE OPTIONS	EXPOSED PET
DURABILITY	CONTRACT
HARDWARE	1/4" - 20 THREADED COUPLER (f)
SUSPENSION OPTIONS	CEILING MOUNTED SUSPENSION CABLE SUSPENSION ROD
LEAD TIME	2-4 WEEKS
MAINTENANCE	VACUUM TO REMOVE DUST AND DEBRIS. COMPRESSED AIR CAN BE USED TO CLEAN HARD TO REACH AREAS. SPOT CLEAN IMMEDIATELY USING A DAMP CLOTH OR SOAP AND WATER. CARPET AND FABRIC CLEANERS MAY ALSO BE USED. (TEST IN AN INCONSPICUOUS AREA.)
ENVIRONMENTAL	FIBRA BAFFLES ARE PRODUCED FROM 100% RECYCLABLE PET WITH NO ADDED UREA FORMALDEHYDE. FIBRA BAFFLES ARE 100% PET AND CAN BE RECYCLED THROUGH THE NORMAL WASTE SYSTEM.
VARIATION	PET IS MADE WITH A 'FELTING' PROCESS WHICH RESULTS IN A TEXTURAL HEATHERED EFFECT WHERE THE FIBERS CONSIST OF MULTIPLE TONES AND SHADES. SLIGHT AND CONSISTENT VARIATION IN COLOR SHOULD BE EXPECTED. COLOR WILL VARY FROM DYE LOT.
ACOUSTICS	ASTM C423 - 17: NRC 0.70 / 0.65 (SEE ACOUSTIC DATA)
FIRE RATING	ASTM - E84: CLASS A FIRE RATED
COLORFASTNESS TO LIGHT	AATCC 16.3 OPTION 3 - THE COLOR CHANGE AT 20 AFU - 4.5
APPLICATION	INDOOR USE ONLY

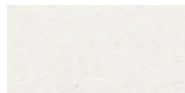




COLORWAYS



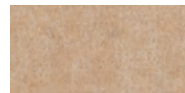
White



Bone



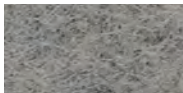
Oatmeal



Camel



Cashmere



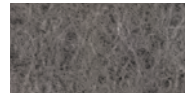
Fog



Nordic Knit



Lamb's Ear



Pewter



Winter Water



Graphite



Black



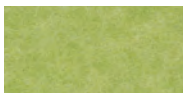
Midnight



Splash



Storm



Lichen



Sunshine

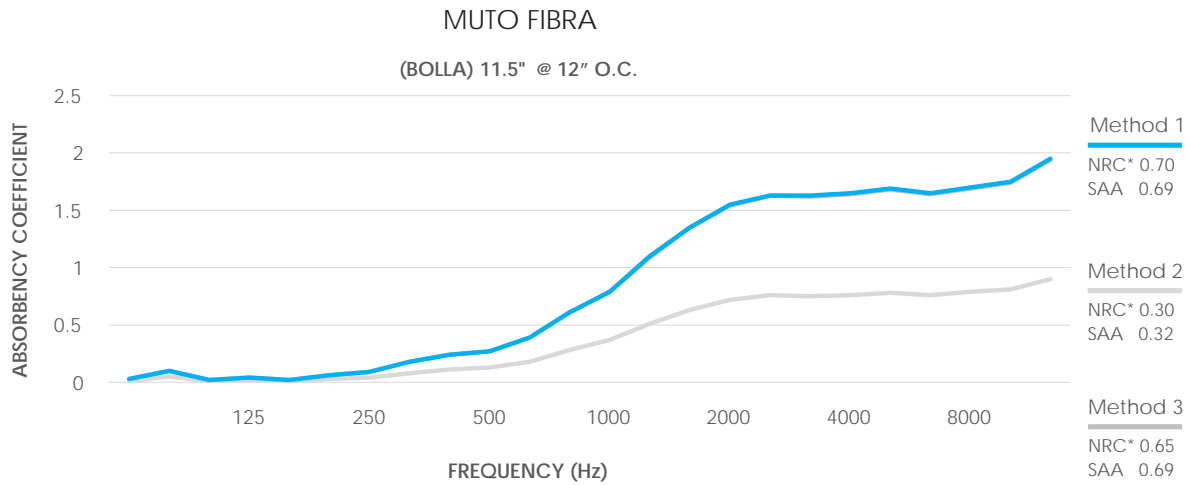


Clementine



Chili Pepper

ACOUSTICS



*APPARENT NRC RATINGS

NRC values are typically used for flat surfaces of a given surface area, e.g. carpet or wall coverings. When testing hanging objects that are spread out, the 'Apparent NRC' is used.

WHAT IS NRC?

NRC is an acronym for Noise Reduction Coefficient. This is a convenient single rating for assessing the absorbency of a material. This can be used to predict its efficacy for reducing reverberation within a room. NRC is the average absorption coefficient of 125 Hz, 250 Hz, 500 Hz and 1,000 Hz, rounded to the nearest 0.05.

WHAT IS SAA?

SAA (Sound Absorption Average) is similar to an NRC rating. However, 12 values from 200 Hz – 2,500 Hz (1/3 octave intervals) are averaged and rounded to the nearest 0.01. This method is preferred by the acoustics community and is more representative of performance in the range of human speech.

WHY NOT STC?

STC (Sound Transmission Class) is a value used to describe the amount of sound that passes through a barrier. This can be given to a material or an entire wall assembly. If you need to assess how well a barrier can block sound between rooms you'll need to know the STC rating. Acoustic baffles are not used to physically divide rooms, but rather to absorb noise within a room. Problematic noise in a room is called reverberation. This can manifest as a droning or a ringing sound when people are speaking, or in the worst case: an echo. For this reason, NRC or SAA are the appropriate rating systems for treating reverberation issues.

WHY ARE THERE MULTIPLE METHODS?

There is no single standard method for calculating Apparent NRC for hanging baffles. The rating is taken from the performance of a sample of baffles at a given size and spacing over a given surface area of exposed material. However, the surface area used to calculate this is not standardized and will give different values.

Method 1 uses the surface area of the baffle array covering the ceiling. (9) 8'-0" wide baffles installed at 12" o.c. would give a surface area of 72 sf (plus the exposed bottom edge of the baffles).

Method 2 uses for the surface area of all sides of the baffles added together. This accounts for the entire exposed surfaces of each baffle. (9) 8'-0" wide by 12" deep and 1" thick baffles would give a surface area of 157.5 SF (17.5 SF per baffle).

Method 3 uses for the surface area of one side of the larger face of a baffle. (9) 8'-0" wide by 12" deep baffles would give a surface area of 72 SF (8 SF per baffle).



MUTO PLYWOOD

CEILING BAFFLE PRODUCT SPECIFICATION





CONTENTS

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GIRO PLY SIZES AND DIMENSIONS	4
PINNA PLY SIZES AND DIMENSIONS	5
QUADRO PLY SIZES AND DIMENSIONS	6
UNIVERSAL COUPLER AND HARDWARE ATTACHMENT IDEAS	7
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ABOUT

With large open-concept floor plans and fast paced office culture comes noise. Is productivity and concentration an issue in your space? MUTO Plywood Baffles are your solution for ceilings that speak softly. From a single row or a ceiling filled with baffles, we can help you address your noise concerns and create a quieter environment.

Plywood core is Architectural Blings solution for a multi-media rich baffle with high acoustic performance. Manufactured with a Baltic Birch Plywood core flanked by PET for increased rigidity, structure and optimal sound absorption, sound control just got a whole lot easier. Choose from standard profiles or explore options to create your own for a ceiling array with movement, color and the function your open office needs. Select from up to 19 different colorways or a combination of colors to design a ceiling that supports your brand or simply your design ideas.

Each Plywood baffle comes with 2 attached universal hardware couplers (f) that attach to any 1/4" - 20 thread available in the industry for a quick-and-easy installation. Fasten directly to the deck or you can select suspension options that cater to your specific ceiling and installation needs. The universal coupler can easily be moved to accommodate specific installation variances for a 'no hassle' installation.

Shhh! Can you hear that? It's MUTO!

PATTERNS



Giro Ply



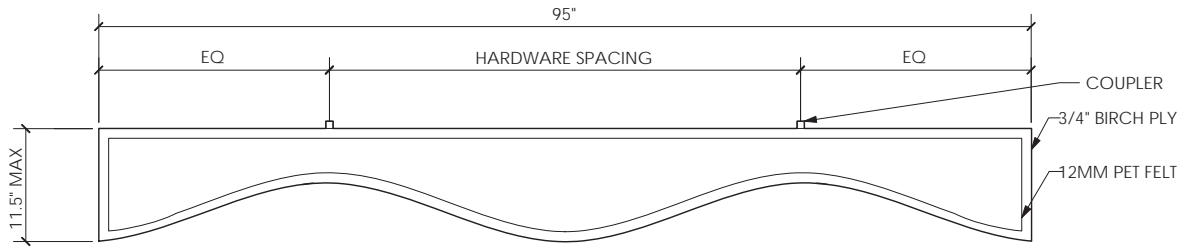
Pinna Ply



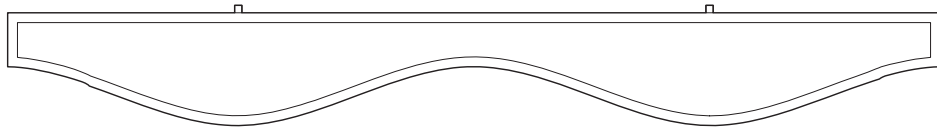
Quadro Ply

GIRO PLY

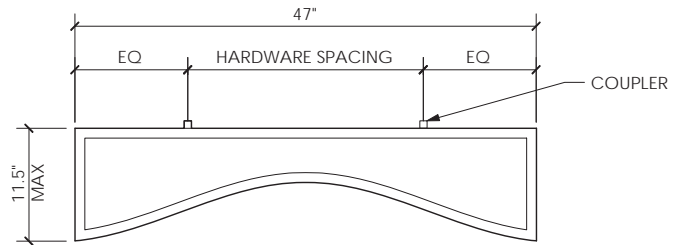
BAFFLE SIZES AND DIMENSIONS



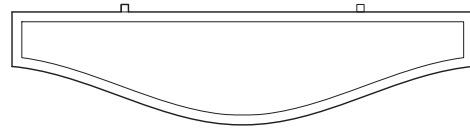
GIRO PLY 8' ELEVATION - FRONT
PROFILE "A"



GIRO PLY 8' ELEVATION - FRONT
PROFILE "B"

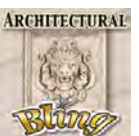


GIRO PLY 4' ELEVATION - FRONT
PROFILE "AA"



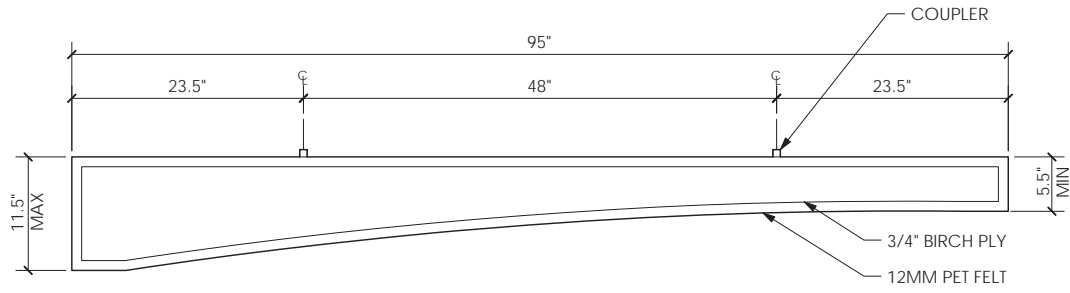
GIRO PLY 4' ELEVATION - FRONT
PROFILE "BB"

STANDARD SIZES : GIRO PLY			
WIDTH		HARDWARE SPACING	DEPTH
NOMINAL	ACTUAL		
8'	95"	48"	11.5"
4'	47"	24"	11.5"

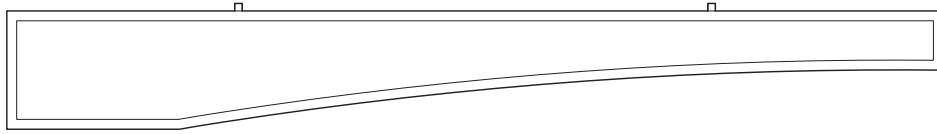


PINNA PLY

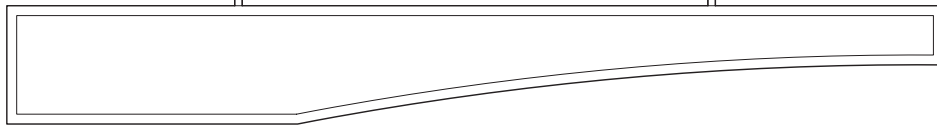
BAFFLE SIZES AND DIMENSIONS



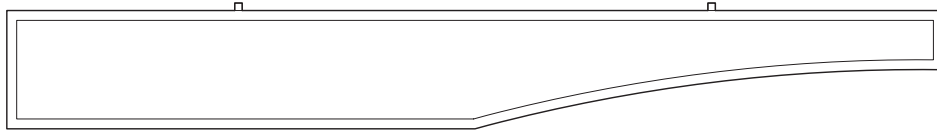
PINNA PLY 8' ELEVATION - FRONT
PROFILE "A"



PINNA PLY 8' ELEVATION - FRONT
PROFILE "B"



PINNA PLY 8' ELEVATION - FRONT
PROFILE "C"



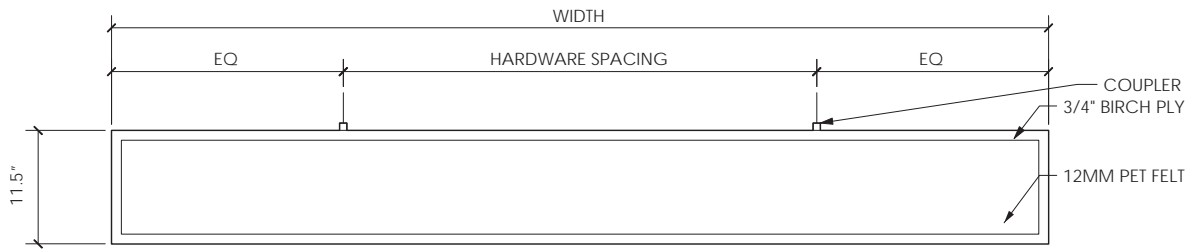
PINNA PLY 8' ELEVATION - FRONT
PROFILE "D"

STANDARD SIZES : PINNA PLY			
WIDTH		HARDWARE SPACING	DEPTH
NOMINAL	ACTUAL		
8'	95"	48"	11.5"



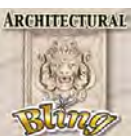
QUADRO PLY

BAFFLE SIZES AND DIMENSIONS



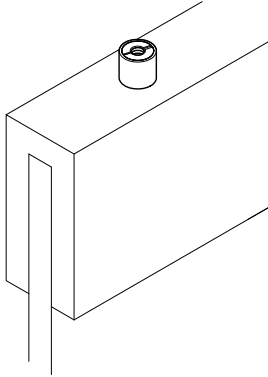
QUADRO PLY ELEVATION - FRONT
95" x 11.5" SHOWN

STANDARD SIZES: QUADRO PLY			
WIDTH		HARDWARE SPACING	AVAILABLE DEPTHS
NOMINAL	ACTUAL		
8'	95"	48"	11.5"
7'	83"	48"	11.5"
6'	71"	48"	11.5"
5'	59"	48"	11.5"
4'	47"	24"	11.5"

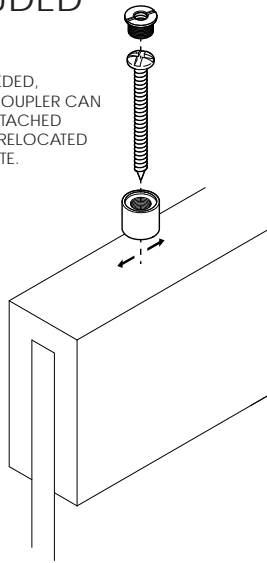


UNIVERSIAL COUPLER INCLUDED

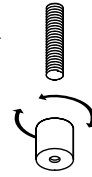
1/4"-20 THREADED COUPLERS
ARRIVE INSTALLED ON EACH
BAFFLE.



IF NEEDED,
THE COUPLER CAN
BE DETACHED
AND RELOCATED
ON-SITE.

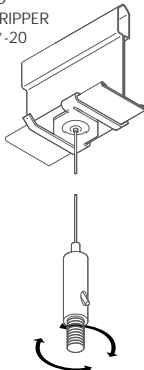


THE COUPLER CAN
BE ATTACHED
TO ANY 1/4"-20
THREADED SYSTEM.
THIS INCLUDES A
VARIETY OF CABLE
GRIPPERS AND
BOLTS.

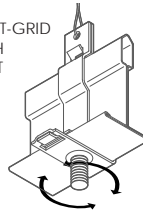


HARDWARE ATTACHMENT BY OTHERS

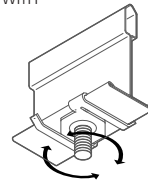
T-GRID TO
CABLE GRIPPER
WITH 1/4"-20



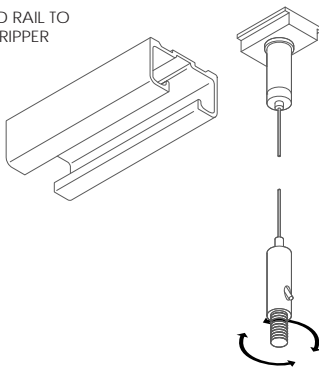
SUSPENDED T-GRID
CLAMP WITH
1/4"-20 BOLT



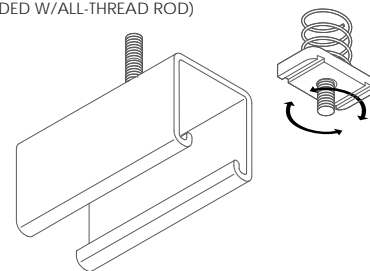
T-GRID CLAMP WITH
1/4"-20 BOLT



EXTRUDED RAIL TO
CABLE GRIPPER



STRUT AND 1/4"-20 SPRING-NUT
(SUSPENDED W/ALL-THREAD ROD)



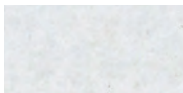
SPECIFICATIONS

PRODUCT NAME	PLYWOOD BAFFLE
PATTERN NAMES	GIRO PLY, PINNA PLY AND QUADRO PLY
CONTENT	100% POLYESTER PET AND BALTIC BIRCH PLYWOOD CORE
CORE THICKNESS	+/- 0.5" (12 mm) and 0.75" (19 mm)
BAFFLE THICKNESS	+/- 1.75" (44 mm)
STANDARD SIZES	MINIMUM LENGTH: 48" (NOMINAL) MAXIMUM LENGTH: 96" (NOMINAL) DEPTH: 12" (NOMINAL)
EDGE OPTIONS	EXPOSED PET AND PLYWOOD
DURABILITY	CONTRACT
HARDWARE	1/4" - 20 THREADED COUPLER (f)
SUSPENSION OPTIONS	CEILING MOUNTED SUSPENSION CABLE SUSPENSION ROD
LEAD TIME	2-4 WEEKS
MAINTENANCE	VACUUM TO REMOVE DUST AND DEBRIS. COMPRESSED AIR CAN BE USED TO CLEAN HARD TO REACH AREAS. SPOT CLEAN IMMEDIATELY USING A DAMP CLOTH OR SOAP AND WATER. CARPET AND FABRIC CLEANERS MAY ALSO BE USED. (TEST IN AN INCONSPICUOUS AREA.)
ENVIRONMENTAL	PLYWOOD BAFFLES ARE PRODUCED FROM 100% RECYCLABLE PET WITH NO ADDED UREA FORMALDEHYDE. PLYWOOD BAFFLES ARE 100% PET / BALTIC BIRCH PLYWOOD AND CAN BE RECYCLED THROUGH THE NORMAL WASTE SYSTEM.
VARIATION	PET IS MADE WITH A 'FELTING' PROCESS WHICH RESULTS IN A TEXTURAL HEATHERED EFFECT WHERE THE FIBERS CONSIST OF MULTIPLE TONES AND SHADES. SLIGHT AND CONSISTENT VARIATION IN COLOR SHOULD BE EXPECTED. COLOR WILL VARY FROM DYE LOT. BALTIC BIRCH PLYWOOD CORE IS A NATURAL WOOD PRODUCT. KNOTTING, STRIPING, AND SHADING ARE NATURAL CHARACTERISTICS AND SHOULD BE EXPECTED.
ACOUSTICS	ASTM C423 - 17: NRC 0.75 / 0.75 (SEE ACOUSTIC DATA)
FIRE RATING	ASTM - E84: CLASS A FIRE RATED
COLORFASTNESS TO LIGHT	AATCC 16.3 OPTION 3 - THE COLOR CHANGE AT 20 AFU - 4.5
APPLICATION	INDOOR USE ONLY

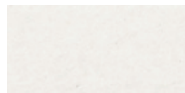




COLORWAYS



White



Bone



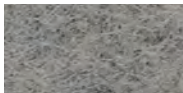
Oatmeal



Camel



Cashmere



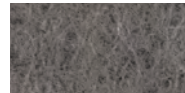
Fog



Nordic Knit



Lamb's Ear



Pewter



Winter Water



Graphite



Black



Midnight



Splash



Storm



Lichen



Sunshine

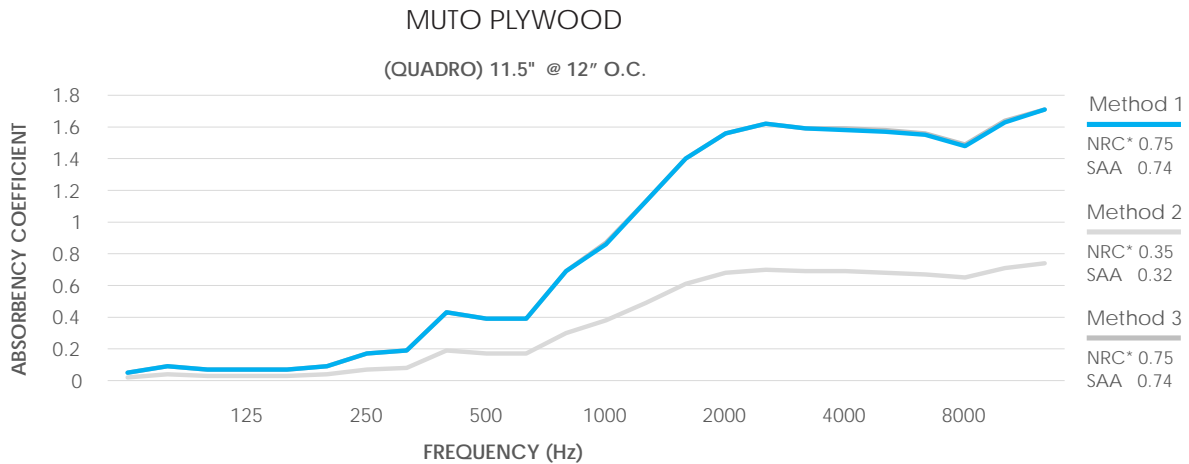


Clementine



Chili Pepper

ACOUSTICS



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WHY NOT STC?

STC (Sound Transmission Class) is a value used to describe the amount of sound that passes through a barrier. This can be given to a material or an entire wall assembly. If you need to assess how well a barrier can block sound between rooms you'll need to know the STC rating. Acoustic baffles are not used to physically divide rooms, but rather to absorb noise within a room. Problematic noise in a room is called reverberation. This can manifest as a droning or a ringing sound when people are speaking, or in the worst case: an echo. For this reason, NRC or SAA are the appropriate rating systems for treating reverberation issues.

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Method 1 uses the surface area of the baffle array covering the ceiling. (9) 8'-0" wide baffles installed at 12" o.c. would give a surface area of 72 sf (plus the exposed bottom edge of the baffles).

Method 2 uses for the surface area of all sides of the baffles added together. This accounts for the entire exposed surfaces of each baffle. (9) 8'-0" wide by 12" deep and 1" thick baffles would give a surface area of 157.5 SF (17.5 SF per baffle).

Method 3 uses for the surface area of one side of the larger face of a baffle. (9) 8'-0" wide by 12" deep baffles would give a surface area of 72 SF (8 SF per baffle).



MUTO TAKE OUT

CEILING BAFFLE PRODUCT SPECIFICATION





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TAKE OUT SIZES AND DIMENSIONS	4
TAKE OUT BAFFLE ASSEMBLY	5
TAKE OUT CONFIGURATION AND DESIGN IDEAS	6
UNIVERSAL COUPLER AND HARDWARE ATTACHMENT IDEAS	7
SPECIFICATIONS	8
COLORWAYS	9
ACOUSTICS	10



ABOUT

With large open-concept floor plans and fast paced office culture comes noise. Is productivity and concentration an issue in your space? MUTO Take Out Baffles are your solution for ceilings that speak softly. From a single unit or a ceiling grid filled with baffles, we can help you address your noise concerns and create a quieter environment.

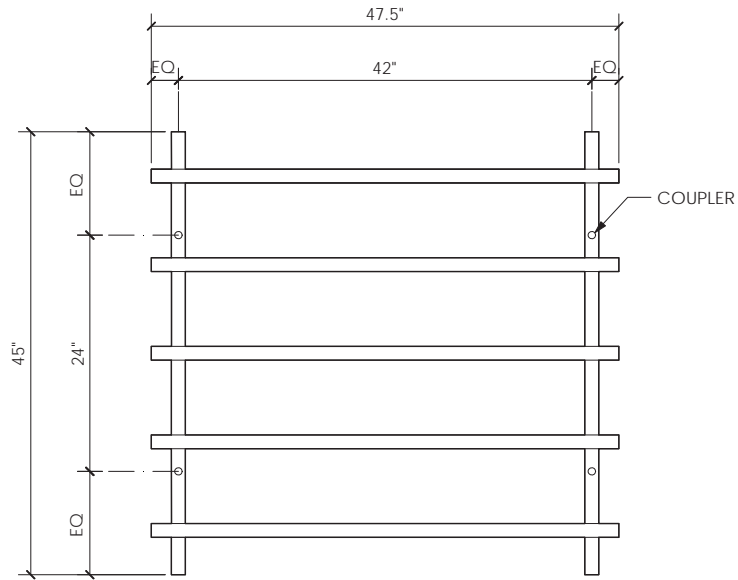
Take Out is Architectural Bling's highest performing acoustic baffle solution. Manufactured with a 'Cavallo' fastener for increased rigidity and structure and optimal sound absorption, sound control just got a whole lot easier. Comprised of standard baffles and pop-in supports, Take Out is made of 100% PET core material for a total sound solution. Select from up to 19 different colorways or a combination of colors to design a ceiling that supports your brand or simply your design ideas.

Each Take Out baffle unit comes with 2 supports and 5 baffles including 4 universal hardware couplers (f) that attach to any 1/4" - 20 thread available in the industry for a quick-and-easy installation. Fasten directly to the deck or you can select suspension options that cater to your specific ceiling and installation needs. The universal coupler can easily be moved to accommodate specific installation variances for a 'no hassle' installation.

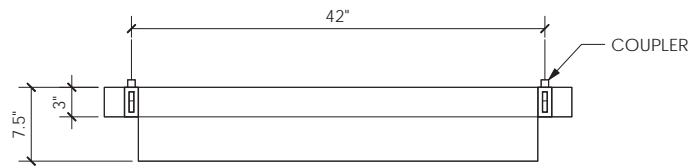
Shhh! Can you hear that? It's MUTO!

TAKE OUT

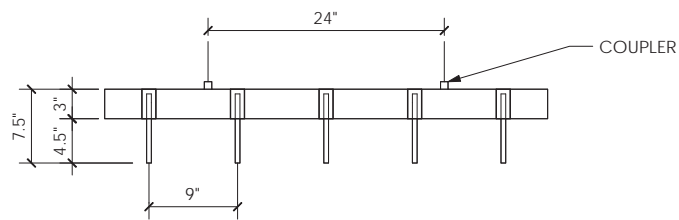
BAFFLE SIZES AND DIMENSIONS



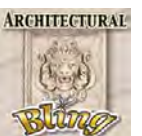
TAKE OUT PLAN



TAKE OUT ELEVATION - FRONT

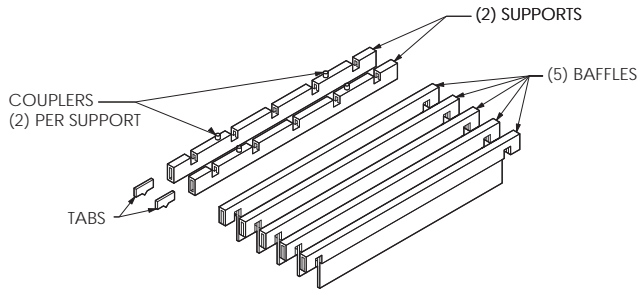


TAKE OUT ELEVATION - SIDE



TAKE OUT

BAFFLE ASSEMBLY

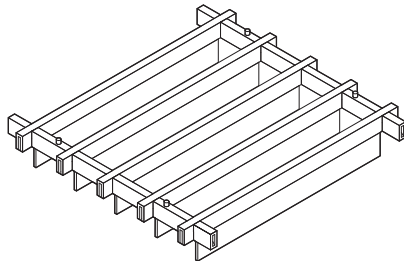
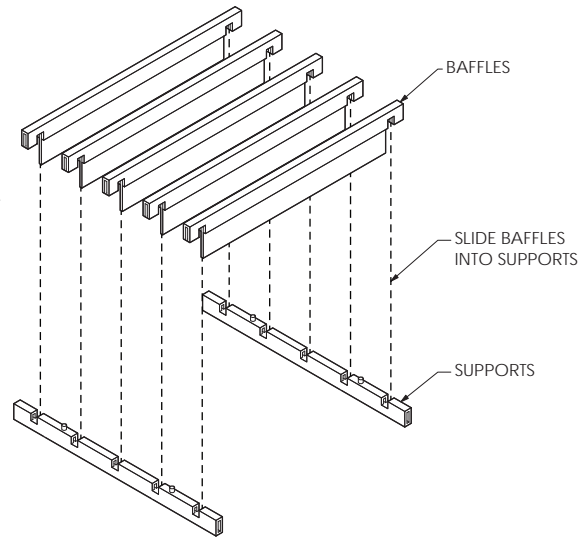


1

Each MUTO Take Out includes: 5 Baffles, 2 Supports and 2 Coupler Hardware attachments on each support.

Insert each baffle into the top of both supports and press into fixed position, flush with the top of the support.

2

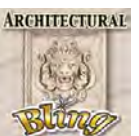
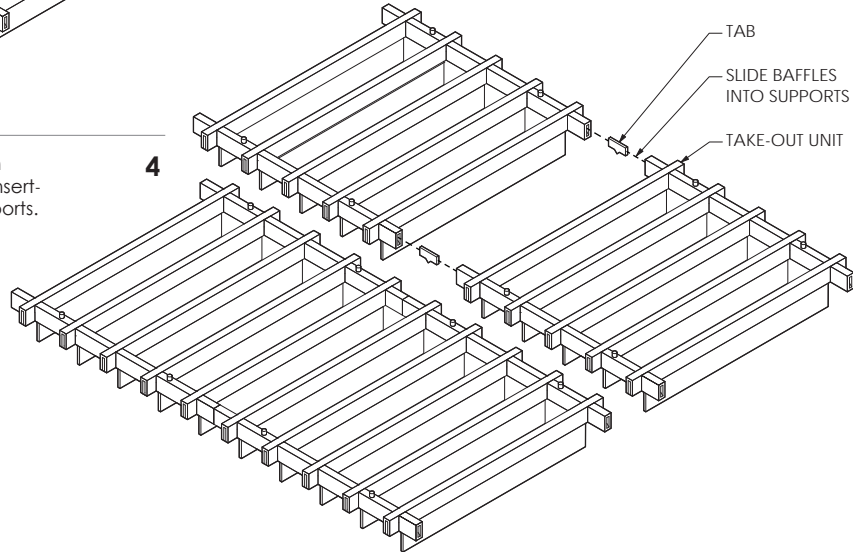


3

With each baffle inserted into the supports and fixed into position, you are ready for hardware attachment.

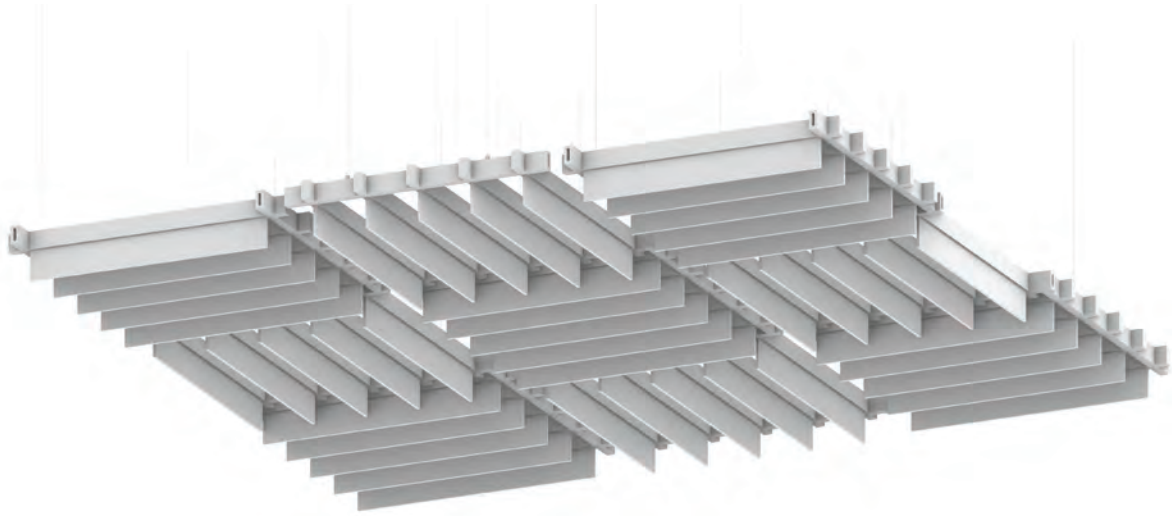
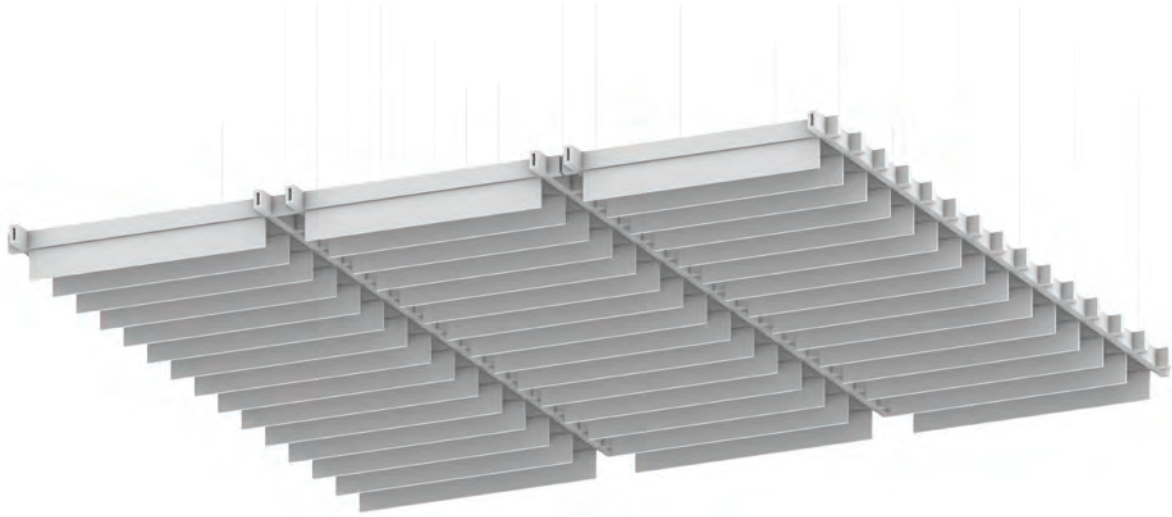
Baffles can extend to desired length and connect with one another by inserting the tab at each end of the supports.

4



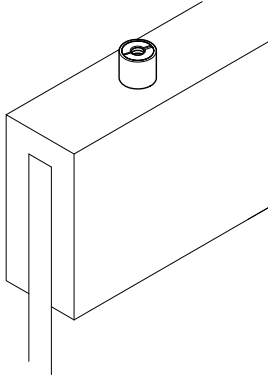
TAKE OUT

CONFIGURATION AND DESIGN IDEAS

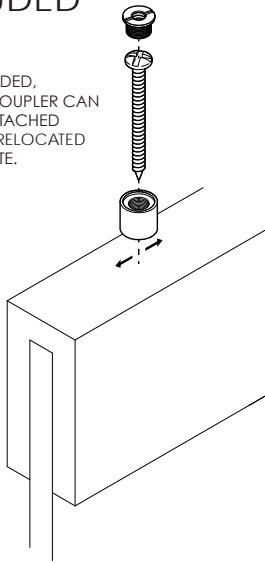


UNIVERSIAL COUPLER INCLUDED

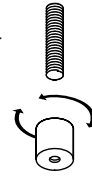
1/4"-20 THREADED COUPLERS
ARRIVE INSTALLED ON EACH
BAFFLE.



IF NEEDED,
THE COUPLER CAN
BE DETACHED
AND RELOCATED
ON-SITE.

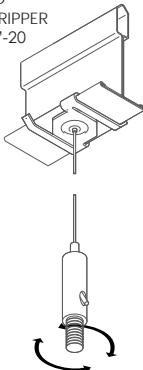


THE COUPLER CAN
BE ATTACHED
TO ANY 1/4"-20
THREADED SYSTEM.
THIS INCLUDES A
VARIETY OF CABLE
GRIPPERS AND
BOLTS.

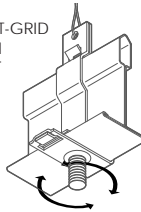


HARDWARE ATTACHMENT BY OTHERS

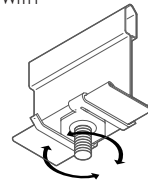
T-GRID TO
CABLE GRIPPER
WITH 1/4"-20



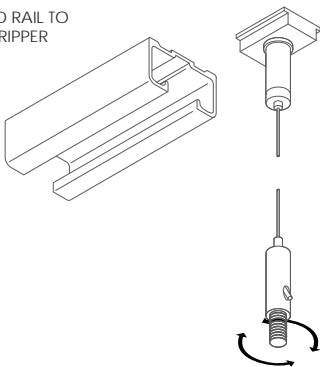
SUSPENDED T-GRID
CLAMP WITH
1/4"-20 BOLT



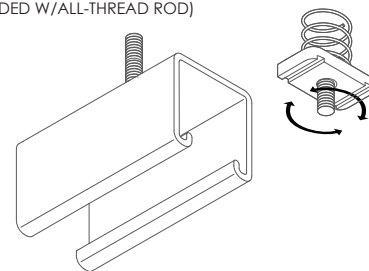
T-GRID CLAMP WITH
1/4"-20 BOLT



EXTRUDED RAIL TO
CABLE GRIPPER

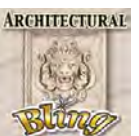


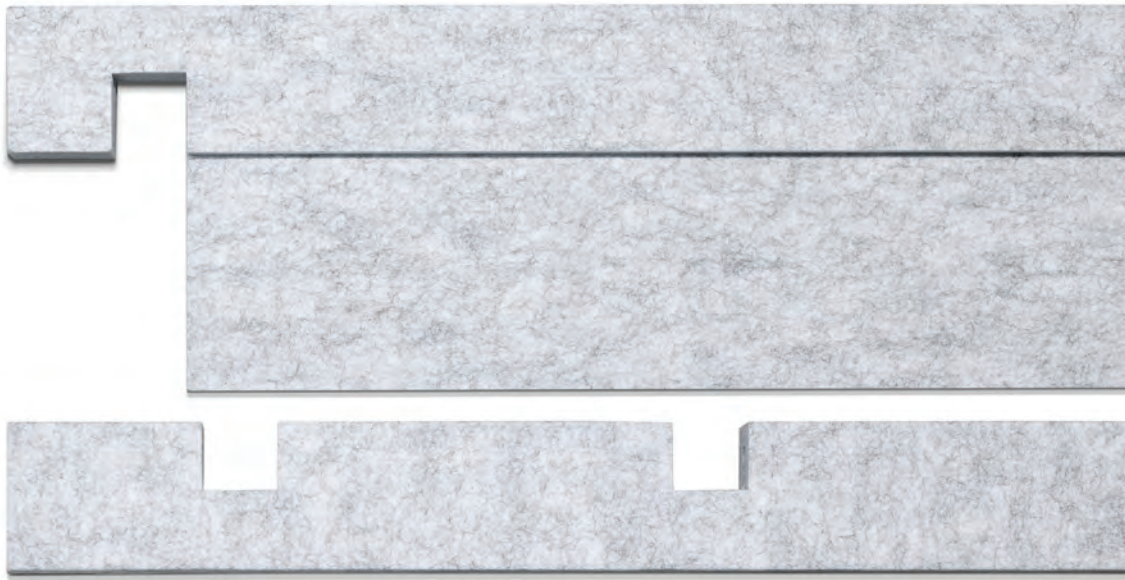
STRUT AND 1/4"-20 SPRING-NUT
(SUSPENDED W/ALL-THREAD ROD)



SPECIFICATIONS

PRODUCT NAME	TAKE OUT BAFFLE
CONTENT	100% POLYESTER PET
CORE THICKNESS	+/- 0.5" (12mm)
BAFFLE THICKNESS	+/- 1.5" (38 mm) WITH CAVALLO STIFFENER
STANDARD SIZES	BAFFLE LEGNTH: 48" (NOMINAL) BAFFLE DEPTH: 8" (NOMINAL) SUPPORT LENGTH: 45"
EDGE OPTIONS	EXPOSED PET
DURABILITY	CONTRACT
HARDWARE	1/4" - 20 THREADED COUPLER (f)
SUSPENSION OPTIONS	CEILING MOUNTED SUSPENSION CABLE SUSPENSION ROD
LEAD TIME	2 WEEKS
MAINTENANCE	VACUUM TO REMOVE DUST AND DEBRIS. COMPRESSED AIR CAN BE USED TO CLEAN HARD TO REACH AREAS. SPOT CLEAN IMMEDIATELY USING A DAMP CLOTH OR SOAP AND WATER. CARPET AND FABRIC CLEANERS MAY ALSO BE USED. (TEST IN AN INCONSPICUOUS AREA.)
ENVIRONMENTAL	TAKE OUT BAFFLES ARE PRODUCED FROM 100% RECYCLABLE PET WITH NO ADDED UREA FORMALDEHYDE. TAKE OUT BAFFLES ARE 100% PET AND CAN BE RECYCLED THROUGH THE NORMAL WASTE SYSTEM.
VARIATION	PET IS MADE WITH A 'FELTING' PROCESS WHICH RESULTS IN A TEXTURAL HEATHERED EFFECT WHERE THE FIBERS CONSIST OF MULTIPLE TONES AND SHADES. SLIGHT AND CONSISTENT VARIATION IN COLOR SHOULD BE EXPECTED. COLOR WILL VARY FROM DYE LOT.
ACOUSTICS	ASTM C423 - 17: NRC 0.55 / 1.20 (SEE ACOUSTIC DATA)
FIRE RATING	ASTM - E84: CLASS A FIRE RATED
COLORFASTNESS TO LIGHT	AATCC 16.3 OPTION 3 - THE COLOR CHANGE AT 20 AFU - 4.5
APPLICATION	INDOOR USE ONLY

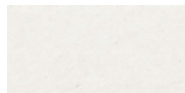




COLORWAYS



White



Bone



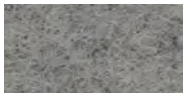
Oatmeal



Camel



Cashmere



Fog



Nordic Knit



Lamb's Ear



Pewter



Winter Water



Graphite



Black



Midnight



Splash



Storm



Lichen



Sunshine



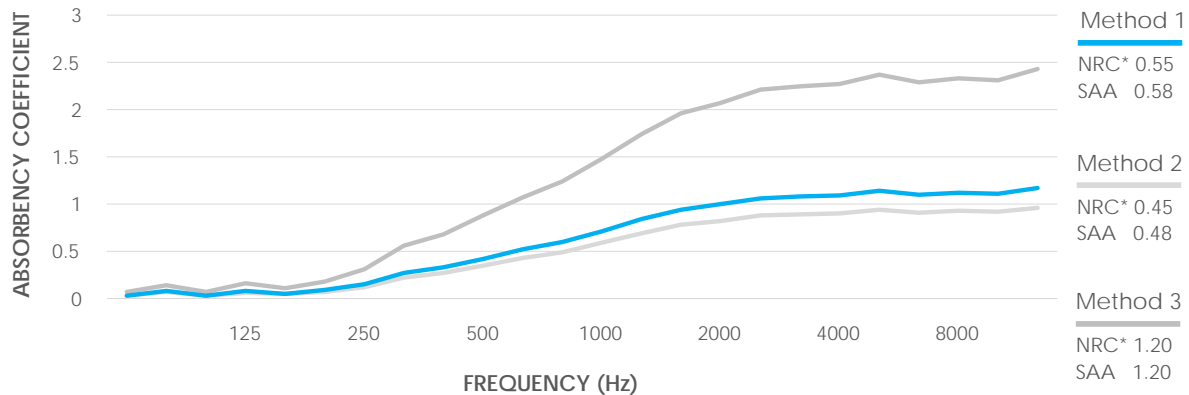
Clementine



Chili Pepper

ACOUSTICS

MUTO TAKE OUT



*APPARENT NRC RATINGS

NRC values are typically used for flat surfaces of a given surface area, e.g. carpet or wall coverings. When testing hanging objects that are spread out, the 'Apparent NRC' is used.

WHAT IS NRC?

NRC is an acronym for Noise Reduction Coefficient. This is a convenient single rating for assessing the absorbency of a material. This can be used to predict its efficacy for reducing reverberation within a room. NRC is the average absorption coefficient of 125 Hz, 250 Hz, 500 Hz and 1,000 Hz, rounded to the nearest 0.05.

WHAT IS SAA?

SAA (Sound Absorption Average) is similar to an NRC rating. However, 12 values from 200 Hz – 2,500 Hz (1/3 octave intervals) are averaged and rounded to the nearest 0.01. This method is preferred by the acoustics community and is more representative of performance in the range of human speech.

WHY NOT STC?

STC (Sound Transmission Class) is a value used to describe the amount of sound that passes through a barrier. This can be given to a material or an entire wall assembly. If you need to assess how well a barrier can block sound between rooms you'll need to know the STC rating. Acoustic baffles are not used to physically divide rooms, but rather to absorb noise within a room. Problematic noise in a room is called reverberation. This can manifest as a droning or a ringing sound when people are speaking, or in the worst case: an echo. For this reason, NRC or SAA are the appropriate rating systems for treating reverberation issues.

WHY ARE THERE MULTIPLE METHODS?

There is no single standard method for calculating Apparent NRC for hanging baffles. The rating is taken from the performance of a sample of baffles at a given size and spacing over a given surface area of exposed material. However, the surface area used to calculate this is not standardized and will give different values.

Method 1 uses the surface area of the baffle array covering the ceiling. (9) 8'-0" wide baffles installed at 12" o.c. would give a surface area of 72 sf (plus the exposed bottom edge of the baffles).

Method 2 uses for the surface area of all sides of the baffles added together. This accounts for the entire exposed surfaces of each baffle. (9) 8'-0" wide by 12" deep and 1" thick baffles would give a surface area of 157.5 SF (17.5 SF per baffle).

Method 3 uses for the surface area of one side of the larger face of a baffle. (9) 8'-0" wide by 12" deep baffles would give a surface area of 72 SF (8 SF per baffle).

