

MUTO BORDO

acoustic ceiling solutions

SOELBERG



MUTO BORDO

acoustic ceiling solutions

With large open-concept floor plans and fast paced office culture comes noise. MUTO Quadro ceiling baffles are your solution for ceilings that speak softly. Manufactured with a 1/2" wrapped stiffener for increased rigidity and structure and optimal sound absorption, sound control just got a whole lot easier with MUTO.

Make It Cool. Make It Quiet.

SPECIFICATION

CONTENT	100% POLYESTER (PET) FELT
CORE THICKNESS	1/2" (12MM)
BAFFLE THICKNESS	1 1/2" (38MM) WITH STIFFENER
COLORWAYS	27 COLORWAYS
SIZE	MIN LENGTH: 24" (NOMINAL) MAX LENGTH: 108" (NOMINAL) DEPTH: 11.5" OR 15.5"
WEIGHT	0.8 LB SQUARE FOOT
HARDWARE	COUPLER OR STRUTSNAP
ACOUSTICS	0.65 - 1.05 NRC
FIRE RATING	CLASS A ASTM - E84
ENVIRONMENTAL	DELICARE, MINDFUL MATERIALS & GREENGUARD GOLD CERTIFIED. MUTO IS PRODUCED FROM 100% RECYCLABLE PET FELT WITH A MINIMUM OF 60% PRE-CONSUMER RECYCLED CONTENT.
COLORFASTNESS	IN ACCORDANCE WITH ATCC 16.3 OPTION 3 THE COLOR CHANGE TO LIGHT AT 20 AFU WAS 4.5.
FINISH	MATTE
APPLICATION	INDOOR USE ONLY
LEAD TIME	2 - 4 WEEKS
WARRANTY	2 YEARS



MAINTENANCE

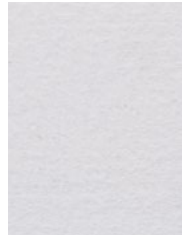
Vacuum to remove dirt and dust. Remove spills or spots immediately using a clean damp cloth. Carpet and fabric cleaners can also be used to clean. (Always test an inconspicuous area first.) Compressed air may be used to dust in difficult or hard-to-reach areas.

To disinfect, bleach can be used in accordance with CDC Cleaning & Disinfection instructions. The solution ratio is 5 tablespoons of bleach to 1 gallon of water | 4 teaspoons of bleach to 1 quart of water. Apply solution by spray and wipe off immediately. (Always test in an inconspicuous area first.)

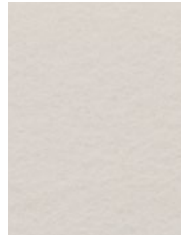
COLOR

MATTE COLOR

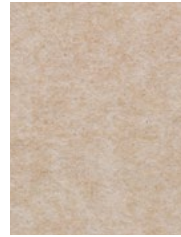
27 STANDARD COLORS
CUSTOM PRINT COLORS AVAILABLE
(CONTACT YOUR LOCAL SALES REP)
100% RECYCLABLE PET FELT



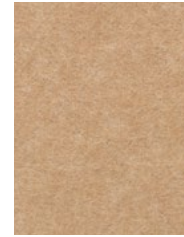
WHITE



BONE



OATMEAL



CAMEL



SAND

TOLERANCES

PET felt is made from 100% recyclable polyester plastic. Variation in depth will occur. Slight and consistent variations in color, density, texture are inherent to this core material and should be expected. Color, density and texture will vary by dye lot. MUTO is made with a 'felling' process which results in a textural heathered effect where the fibers consist of multiple tones and shades.



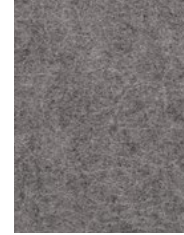
CASHMERE



FOG



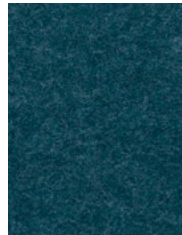
LAMB'S EAR



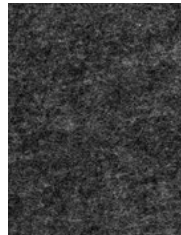
PEWTER



NORDIC KNIT



WINTER WATER



GRAPHITE



BLACK



MIDNIGHT



BLUEBERRY



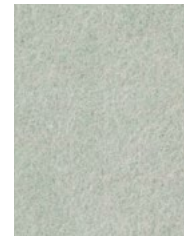
JUNIPER



SPLASH



STORM



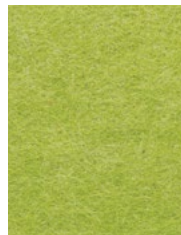
SEAFOAM



SAGE



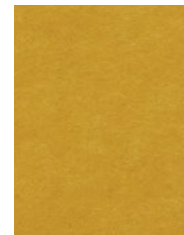
ARTICHOKE



LICHEN



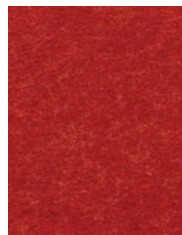
SUNSHINE



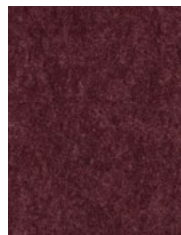
QUAKING ASPEN



CLEMENTINE



CHILI PEPPER



CURRANT

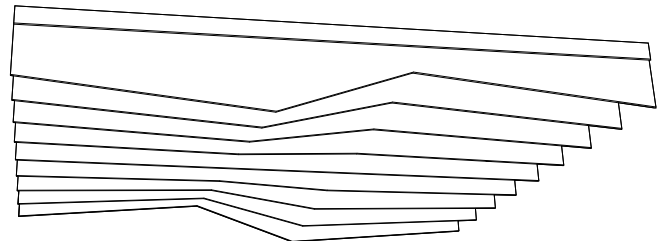
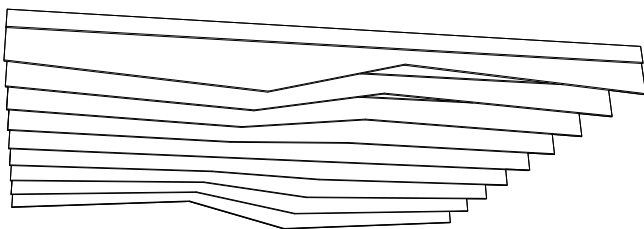
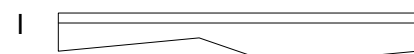
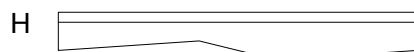
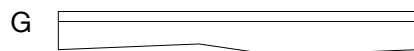
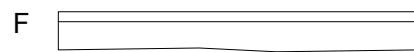
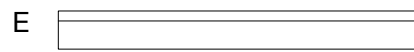
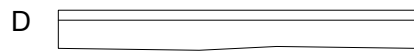
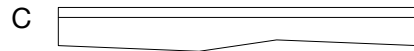
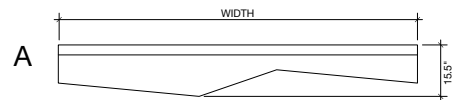
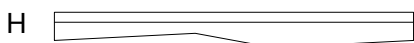
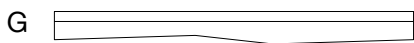
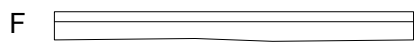
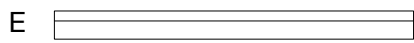
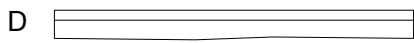
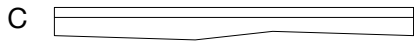
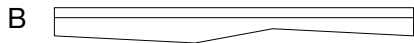
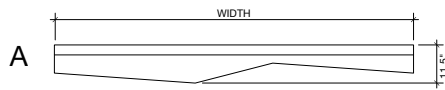
SIZE

BAFFLE DIMENSIONS

LENGTH: 24" - 108" (NOMINAL)
MAX DEPTH: 11.5" OR 15.5"

HARDWARE SPACING

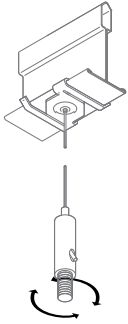
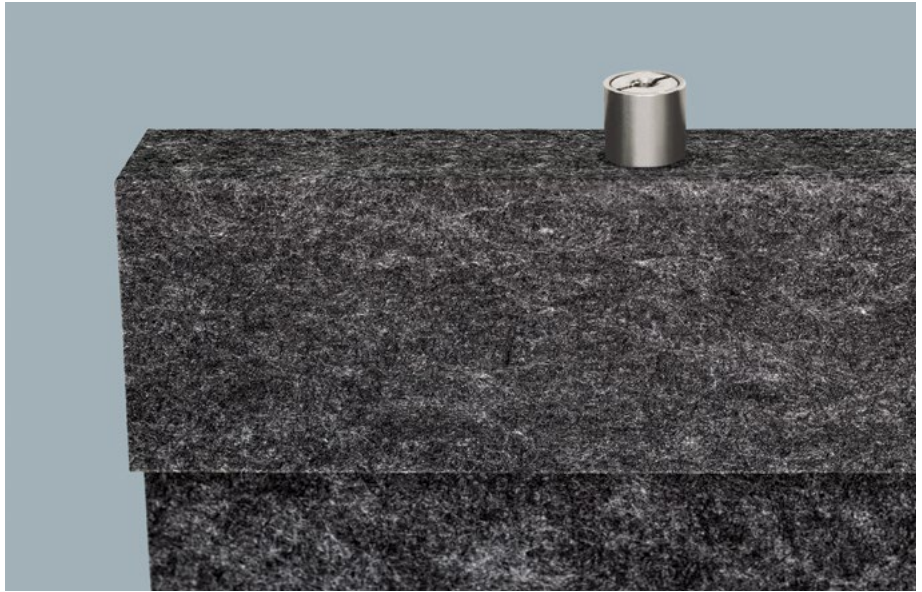
48" OC SPACING FOR 5' LENGTH OR LONGER



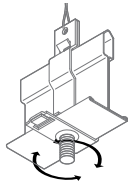
HARDWARE

COUPLER CONNECTION

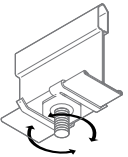
1/4" - 20 THREADED COUPLER
 2 COUPLERS PER BAFFLE
 FACTORY INSTALLED COUPLER
 COUPLER CAN DETACH AND BE RELOCATED IN FIELD
 COUPLER CAN ATTACH TO ANY 1/4" - 20 SYSTEM
 (SEE EXAMPLES BELOW)



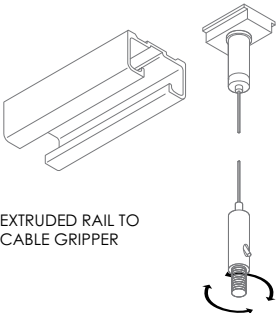
T-GRID TO
 CABLE GRIPPER
 WITH 1/4"-20



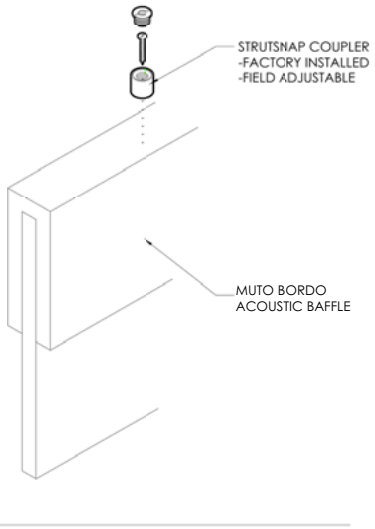
SUSPENDED T-GRID
 CLAMP WITH
 1/4"-20 BOLT



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



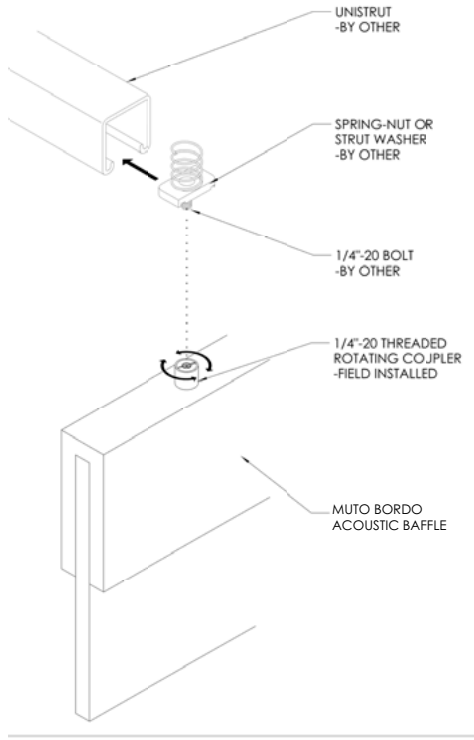
EXTRUDED RAIL TO
 CABLE GRIPPER



STRUTSNAP COUPLER
 -FACTORY INSTALLED
 -FIELD ADJUSTABLE

MUTO BORDO
 ACOUSTIC BAFFLE

COUPLER



UNISTRUT
 -BY OTHER

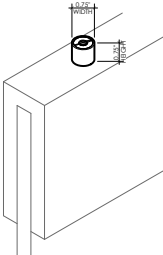
SPRING-NUT OR
 STRUT WASHER
 -BY OTHER

1/4"-20 BOLT
 -BY OTHER

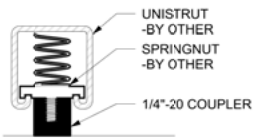
1/4"-20 THREADED
 ROTATING COUPLER
 -FIELD INSTALLED

MUTO BORDO
 ACOUSTIC BAFFLE

MUTO BORDO DETAIL: PERSPECTIVE



COUPLER DIMENSION



UNISTRUT
 -BY OTHER

SPRINGNUT
 -BY OTHER

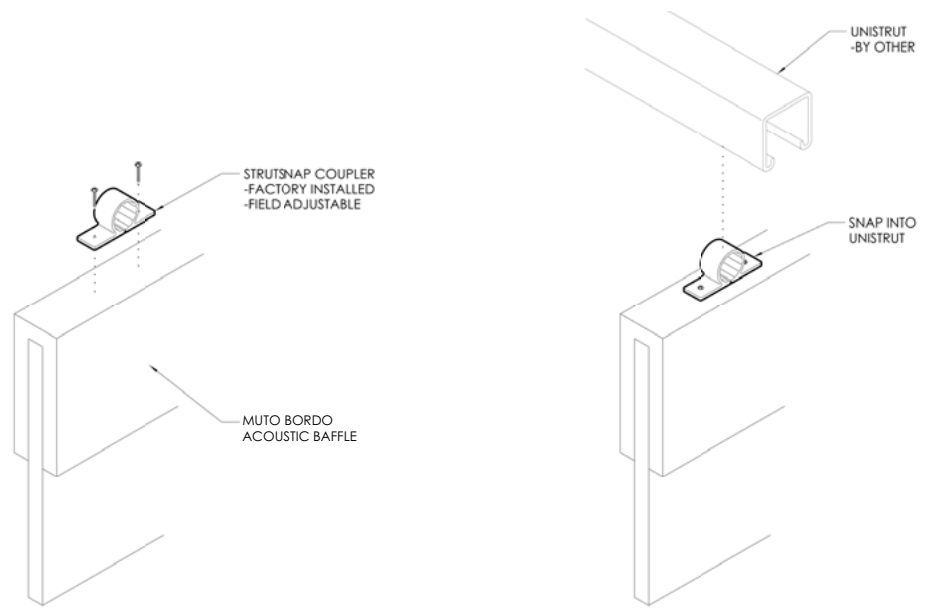
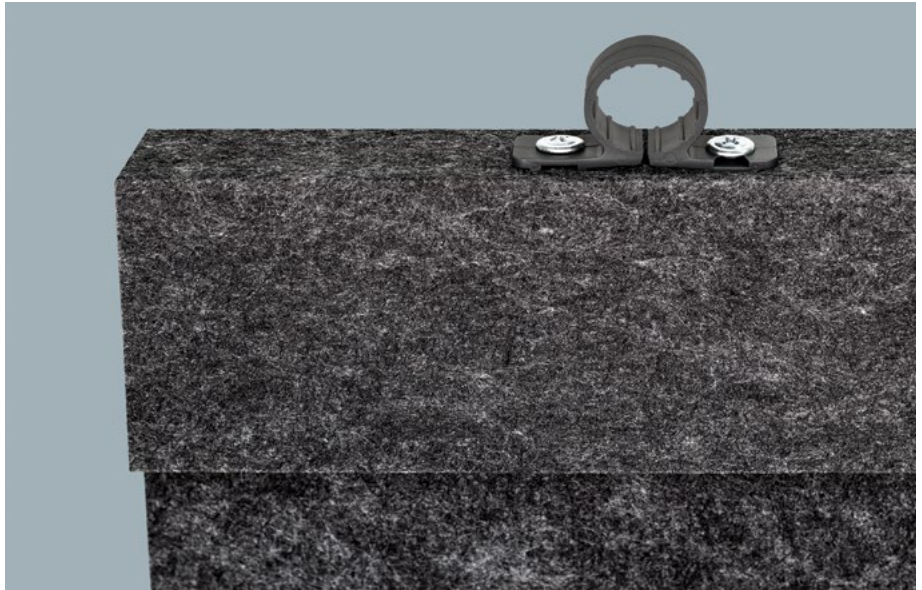
1/4"-20 COUPLER

DETAIL

HARDWARE CONTINUED

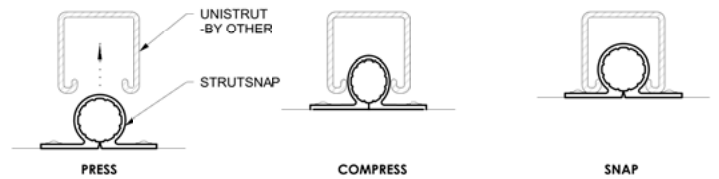
STRUTSNAP CONNECTION

FOR UNISTRUT INSTALLATION
UNISTRUT PROVIDED BY OTHERS
2 STRUTSNAP PER BAFFLE
STRUTSNAP CAN DETACH AND BE RELOCATED IN FIELD
STRUTSNAP CAN DETACH AND BE RELOCATED IN FIELD



STRUTSNAP

INSTALLATION



DETAIL: INSTALLATION

ACOUSTICS

APPARENT NRC RATINGS

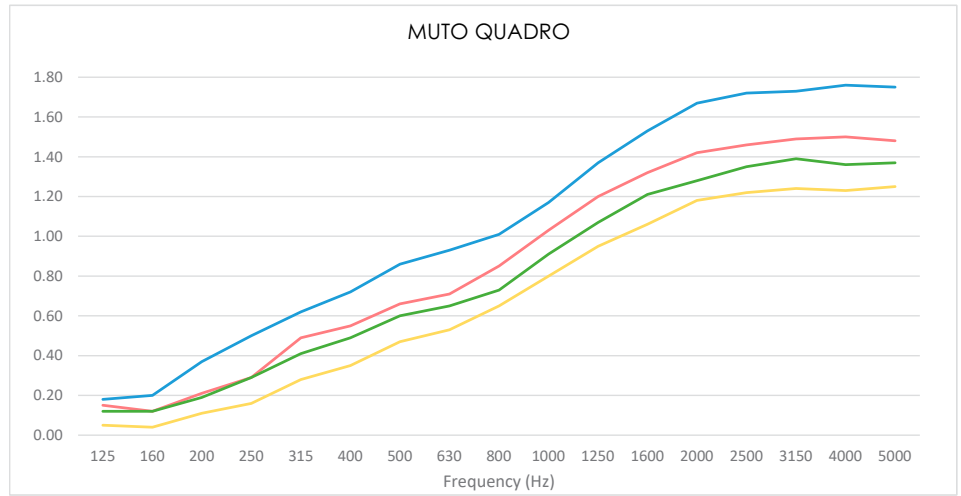
NRC values are typically used for flat surfaces of a given surface area, e.g. carpet or wall coverings. When rating hanging objects that are spread out, the 'Apparent NRC' is used.

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 the absorption coefficients at 125 Hz, 250 Hz, 500 Hz and 1,000 Hz, rounded to the nearest 0.05.

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 droning or 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.



PRODUCT	MOUNTING @ 12" O.C.	SAMPLE FREQUENCY (Hz)				NRC	SAA
		250	500	1000	2000		
15.5"	J ₁	0.50	0.86	1.17	1.67	1.05	1.04
11.5"	J ₁	0.29	0.66	1.03	1.42	0.85	0.85
9.5"	J ₁	0.29	0.60	0.91	1.28	0.75	0.77
7.5"	J ₁	0.16	0.47	0.80	1.18	0.65	0.65

***NRC values are from Quadro baffles spaced at 12" on center. Profiled baffles (Bordo, Gesto & Custom) have slightly lower values due to the removed material. For the best approximate NRC value, use the next size down (e.g. for a 15.5" Gesto, see NRC values for the 11.5" on the table above).

ENVIRONMENTAL

DECLARE, MINDFUL MATERIALS & GREENGUARD GOLD CERTIFIED

We care about the environment and it matters that our materials support healthy and productive interior spaces. We use innovative materials but ensure that they meet the highest level of standards and expectations.

MUTO PET felt core material is 100% recyclable with no added urea formaldehyde.

