

# MUTO CITTÀ

acoustic ceiling solutions

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 SOELBERG



# MUTO CITTÀ

## acoustic ceiling solutions

Each city across the world has its own unique individual skyline. Using scripting software, like the cityscape, no two baffles of Città will be the same. With lengths ranging from 24" - 108" and a number of colorways to choose from including print colors, create unique depth and dimension in the ceiling and reduce that unwanted noise.

Make It Cool. Make It Quiet.

## SPECIFICATION

CONTENT	100% POLYESTER (PET) FELT
CORE THICKNESS	1/2" (12MM)
COLORWAYS	39 SOLID COLORS & 4 PRINT COLORS
SIZE	MIN LENGTH: 24" (NOMINAL) MAX LENGTH: 108" (NOMINAL) DEPTH: 9.5", 11.5" OR 15.5"
WEIGHT	0.5 LB   SQUARE FOOT
HARDWARE	1/4" - 20 CONNECT OR STRUTCLIP
ACOUSTICS	0.75 NRC
FIRE RATING	CLASS A   ASTM - E84
ENVIRONMENTAL	DELCARE, 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 (STOCK COLOR & PRINT)
WARRANTY	2 YEARS

## TOLERANCES & MAINTENANCE

PET core is a soft fibrous material. All dimensions and squareness are subject to +/- 1/16" tolerance.

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 (STOCK)

### MATTE COLOR

27 STANDARD COLORS

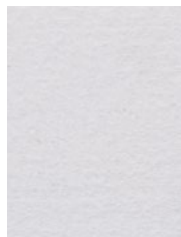
CUSTOM PRINT COLORS AVAILABLE

(CONTACT YOUR LOCAL SALES REP)

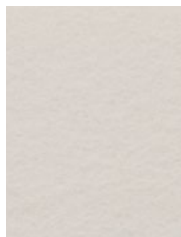
100% RECYCLABLE PET FELT

### TOLERANCES

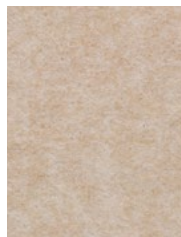
PET felt is made from 100% recyclable polyester plastic. Variation in depth will occur. Slight and consistent variations in color, density, texture are inherent to this core material and should be expected. Color, density and texture will vary by dye lot. MUTO is made with a 'felting' process which results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



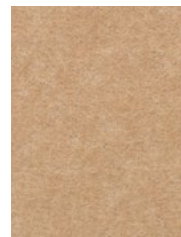
WHITE



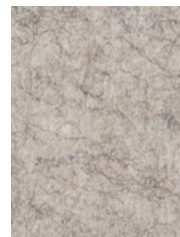
BONE



OATMEAL



CAMEL



SAND



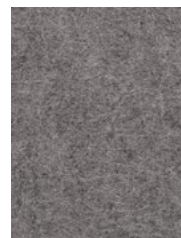
CASHMERE



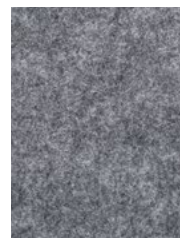
FOG



LAMB'S EAR



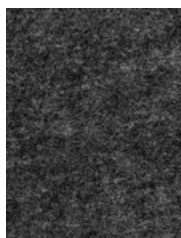
PEWTER



NORDIC KNIT



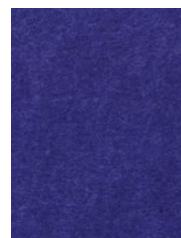
WINTER WATER



GRAPHITE



BLACK



MIDNIGHT



BLUEBERRY



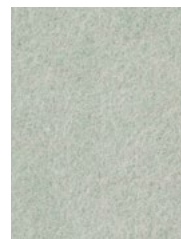
JUNIPER



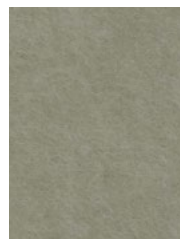
SPLASH



STORM



SEAFOAM



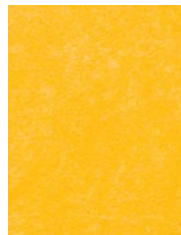
SAGE



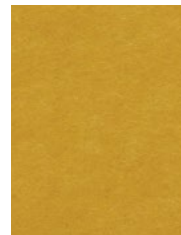
ARTICHOKE



LICHEN



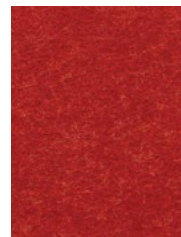
SUNSHINE



QUAKING ASPEN



CLEMENTINE



CHILI PEPPER



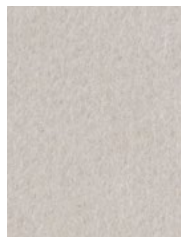
CURRANT

## COLOR (NON STOCK)

EXTENDED LEAD TIME

### MATTE COLOR

12 STANDARD NON-STOCKED COLORS  
CUSTOM PRINT COLORS AVAILABLE  
(CONTACT YOUR LOCAL SALES REP)  
100% RECYCLABLE PET FELT



LATTE



CITY GRAY



BONDI BLUE



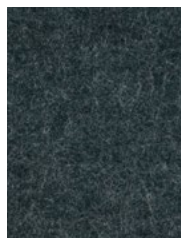
MARINE



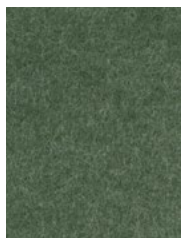
WASHED DENIM

### 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.



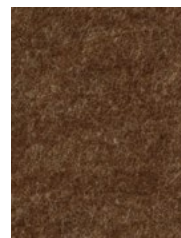
DEEP JUNGLE



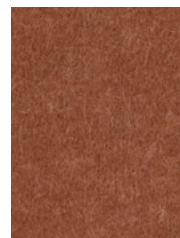
COLLARD GREEN



ASPARAGUS



PECAN



SIENA



RASPBERRY



PINK LEMONADE

## PRINT COLOR

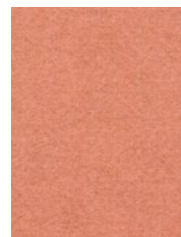
### MATTE FINISH

4 PRINTED STANDARD COLORS  
1/2" CORE THICKNESS  
100% RECYCLABLE PET FELT  
CUSTOM PRINT COLORS AVAILABLE  
(CONTACT YOUR LOCAL SALES REP)

### TOLERANCES

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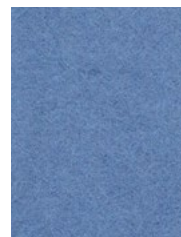
Please request physical samples as colors are represented differently with different computer monitors.



DESERT ROSE



DARK CLAY



RIVER



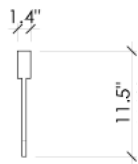
SAP GREEN



SIZE

BAFFLE DIMENSIONS

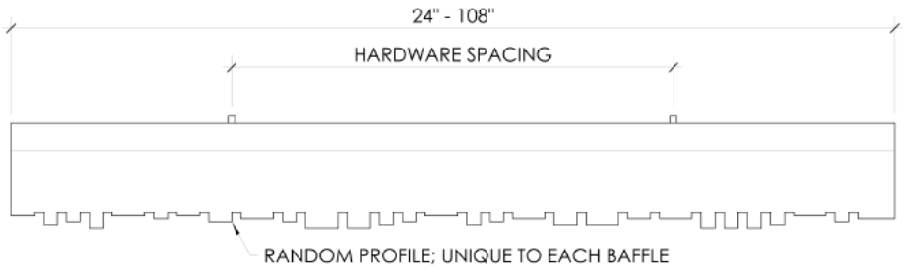
LENGTH: 24" - 108"  
DEPTH: 9.5", 11.5" OR 15.5"



HARDWARE SPACING

48" TYPICAL SPACING FOR 5' - 8' LENGTH BAFFLES.  
60" TYPICAL SPACING FOR LONGER THAN 8'.

(EDGE)



BAFFLE (SIDE)

# HARDWARE

## 1/4" - 20 CONNECT CONNECTION

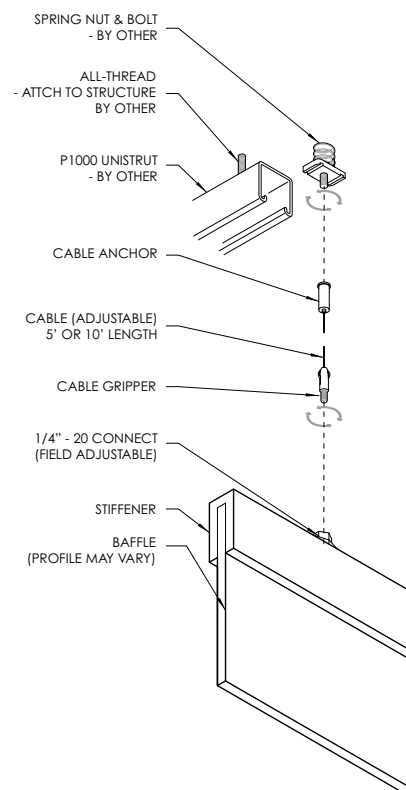
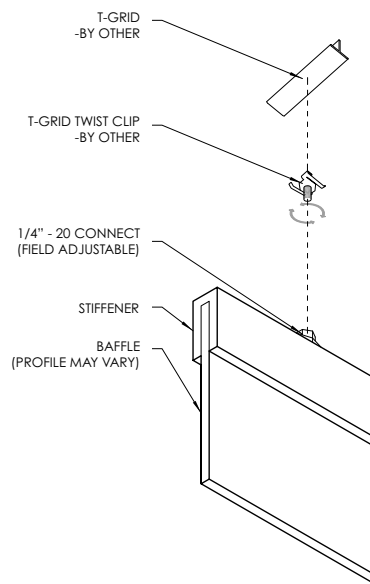
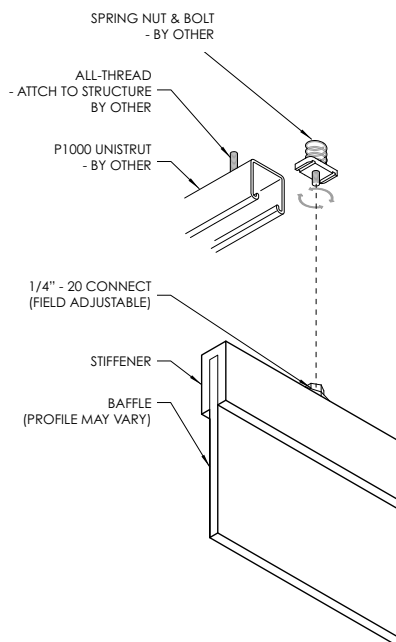
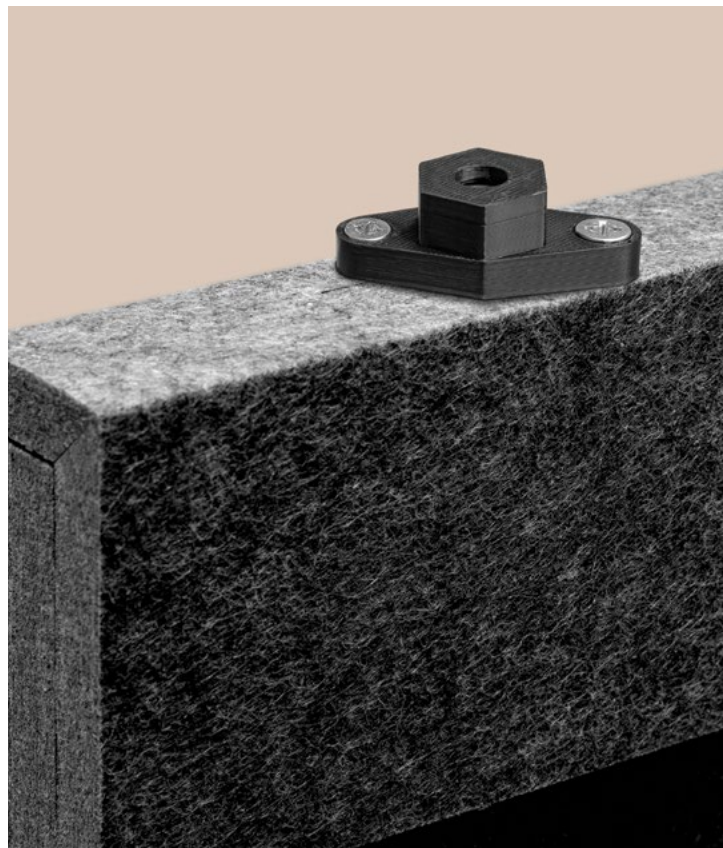
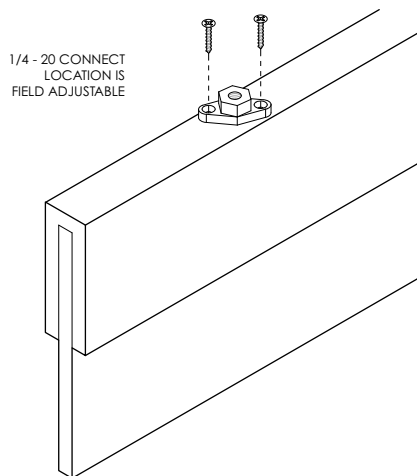
1/4" - 20 THREADED CONNECT

2 COUPLERS PER BAFFLE

FACTORY INSTALLED

CONNECT CAN DETACH AND BE RELOCATED IN FIELD

CONNECT CAN ATTACH TO ANY 1/4" - 20 SYSTEM



1/4" - 20 CONNECT INSTALLATION OPTIONS

# HARDWARE CONTINUED

## STRUTCLIP CONNECTION

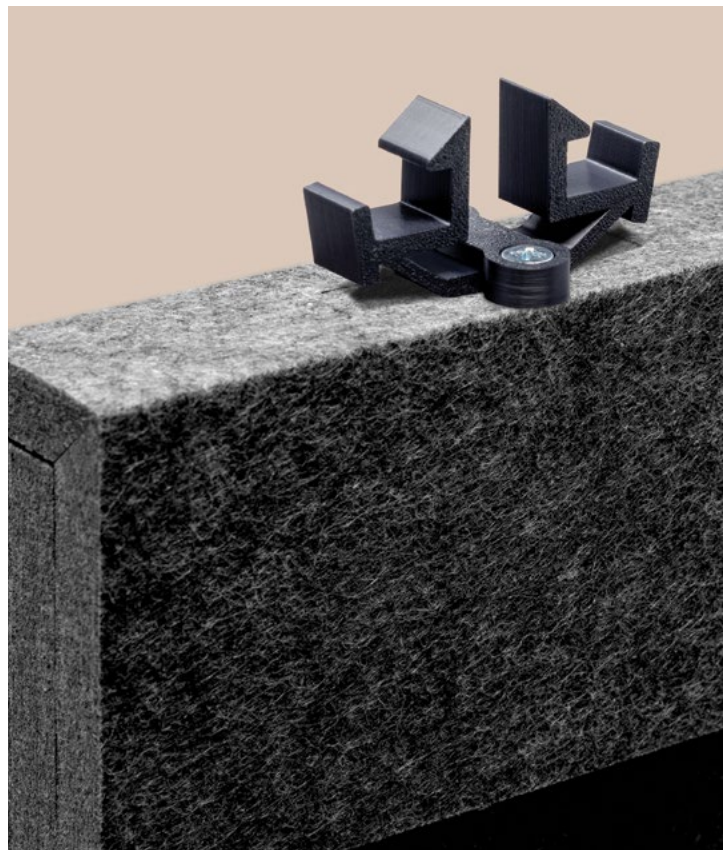
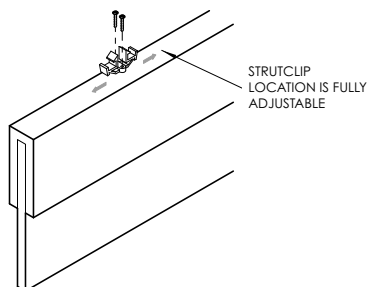
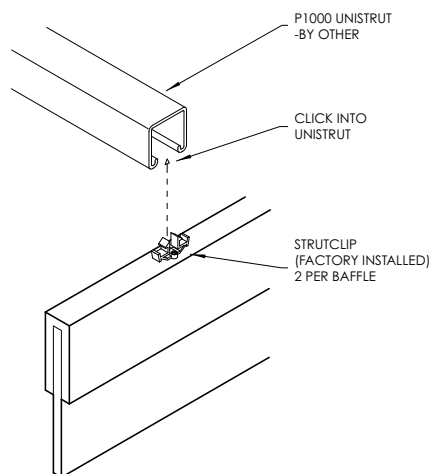
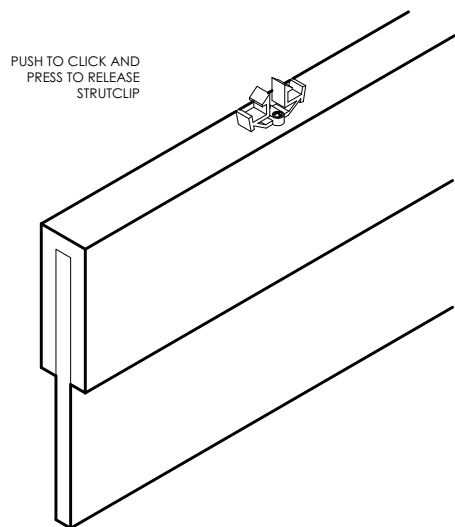
FOR UNISTRUT INSTALLATION ONLY

UNISTRUT PROVIDED BY OTHERS

2 STRUTCLIP HARDWARE PER BAFFLE

FACTORY INSTALLED

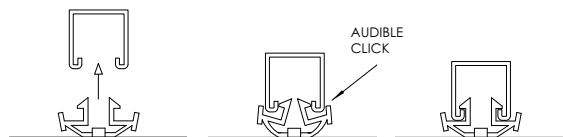
STRUTCLIP CAN DETACH AND BE RELOCATED IN FIELD



## INSTALLATION

### ENGAGE STRUTCLIP

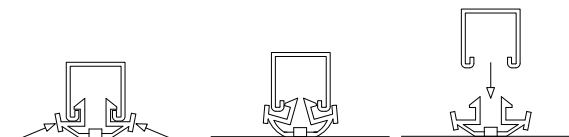
P1000 UNISTRUT BY OTHER



INSERT STRUTCLIP INTO UNISTRUT. YOU WILL HEAR AN AUDIBLE CLICK.

### DISENGAGE STRUTCLIP

P1000 UNISTRUT BY OTHER



FOR BAFFLES LONGER THAN 48", TWO INDIVIDUALS ARE REQUIRED FOR BAFFLE REMOVAL.

## ACOUSTICS

NRC values in the United States use the ASTM C423 for an industry wide standard for testing acoustic baffles.

The previous test: ASTM C423-17: "Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method." has been replaced in 2023 with ASTM C423-23.

This latest version removes ambiguity regarding the surface area used to calculate the NRC values.

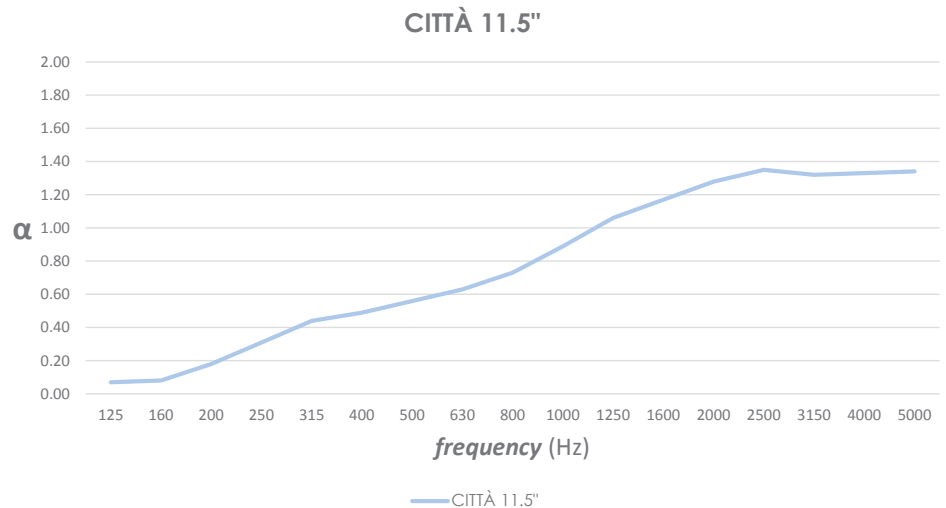
Previous Soelberg NRC values for hanging baffles have used ASTM C423-17 with the total sound absorption divided by the total surface area of the test surface covered by the hanging baffles, including intermediate spaces. This is more conservative than other calculation methods, but is most representative of the intended use of our baffles.

As of July 2023, Soelberg has adapted all of our NRC tests to the latest method: ASTM C423-23.

The new standard is more precise, avoiding the ambiguity inherent in C423-17. The new C423-23 also includes an additional 12" of space in the baffle array for all tests. This was not included in the previous test standard, and may cause the final NRC value to decrease slightly.

Soelberg strives to have the most precise acoustic data possible, and is the first manufacturer to adopt the new standard to our knowledge.

Please confirm that the ASTM C423-23 method was used when comparing competing products.



CITTÀ	SAMPLE FREQUENCY (Hz)				NRC	SAA
	250	500	1000	2000		
11.5"	0.31	0.56	0.89	1.28	0.75	0.76

\*\*\*NRC values are from Città 11.5" baffles spaced at 12" on center.

### 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.

## 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.

Declare.

