

MUTO BINARIO

acoustic ceiling tile solutions

 SOELBERG



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acoustic ceiling tile solutions

Standard ceiling grid? Take it to the next level with Binario. Optimal acoustic performance and the ability to design the way you want. Available in 21 standard core colors, WOODED print or color print options. Choose from small baffles, large baffles, 2x2 and 2x4 tile sizes and even horizontal or vertical baffles. We've given you everything you need to make ceilings that matter. Make It Cool. Make It Quiet.

SPECIFICATION

CONTENT	100% POLYESTER (PET) FELT
CORE THICKNESS	1/2" (12MM)
PATTERN	BINARIO 01 (2x2) BINARIO 02 (2x2) BINARIO 01 H (2x4) BINARIO 02 H (2x4) BINARIO 01 V (2x4) BINARIO 02 V (2x4)
TILE SIZE	24" x 24" OR 24" x 48" (NOMINAL)
COLORWAYS	21 STANDARD SOLID COLORS 8 WOODED PRINT GRAINS 4 PRINT COLORS
WEIGHT	3 LBS EACH (2x2) 7 LBS EACH (2x4)
ACOUSTICS	0.85 - 0.95 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

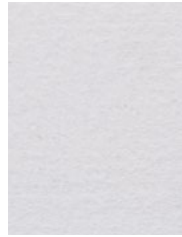
Vacuum to remove dirt and dust. Remove spills or spots immediately using a clean damp cloth. Carpet and fabric cleaners can also be used to clean. (Always test an inconspicuous area first.) Compressed air may be used to dust in difficult or hard-to-reach areas.

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.)

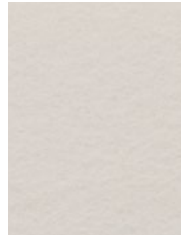
COLOR

MATTE COLOR

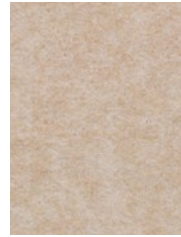
27 STANDARD COLORS
CUSTOM PRINT COLORS AVAILABLE
(CONTACT YOUR LOCAL SALES REP)
100% RECYCLABLE PET FELT



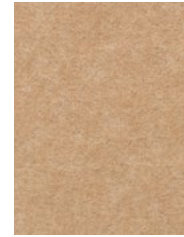
WHITE



BONE



OATMEAL



CAMEL



SAND

TOLERANCES

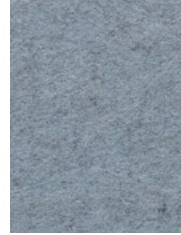
PET felt is made from 100% recyclable polyester plastic. Variation in depth will occur. Slight and consistent variations in color, density, texture are inherent to this core material and should be expected. Color, density and texture will vary by dye lot. MUTO is made with a 'felling' process which results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



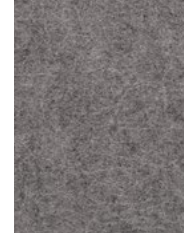
CASHMERE



FOG



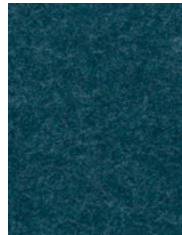
LAMB'S EAR



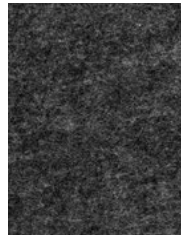
PEWTER



NORDIC KNIT



WINTER WATER



GRAPHITE



BLACK



MIDNIGHT



BLUEBERRY



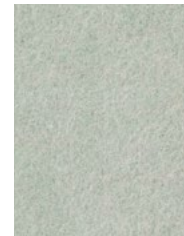
JUNIPER



SPLASH



STORM



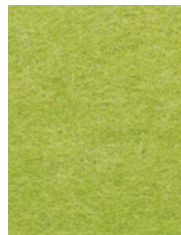
SEAFOAM



SAGE



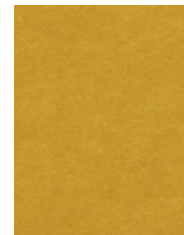
ARTICHOKE



LICHEN



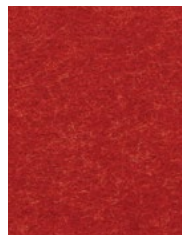
SUNSHINE



QUAKING ASPEN



CLEMENTINE



CHILI PEPPER



CURRANT

WOODED COLOR

MATTE FINISH

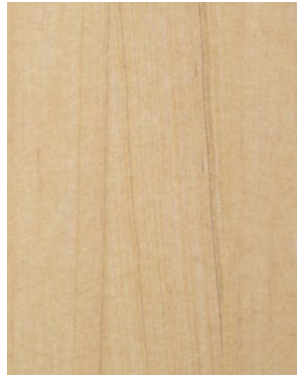
8 PRINTED WOODED GRAINS
1/2" CORE THICKNESS

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 WASHED OAK



BLONDE MAPLE



NATURAL ASH



AGED ASH



SMOKED ASH



AMBER ASH



WARM WALNUT



NATURAL WALNUT



BLACK WALNUT



WEATHERED PINE



CARBON PINE



CHARRED OAK

PRINT COLOR

MATTE FINISH

4 PRINTED COLORS
1/2" CORE THICKNESS

TOLERANCES

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DESERT ROSE



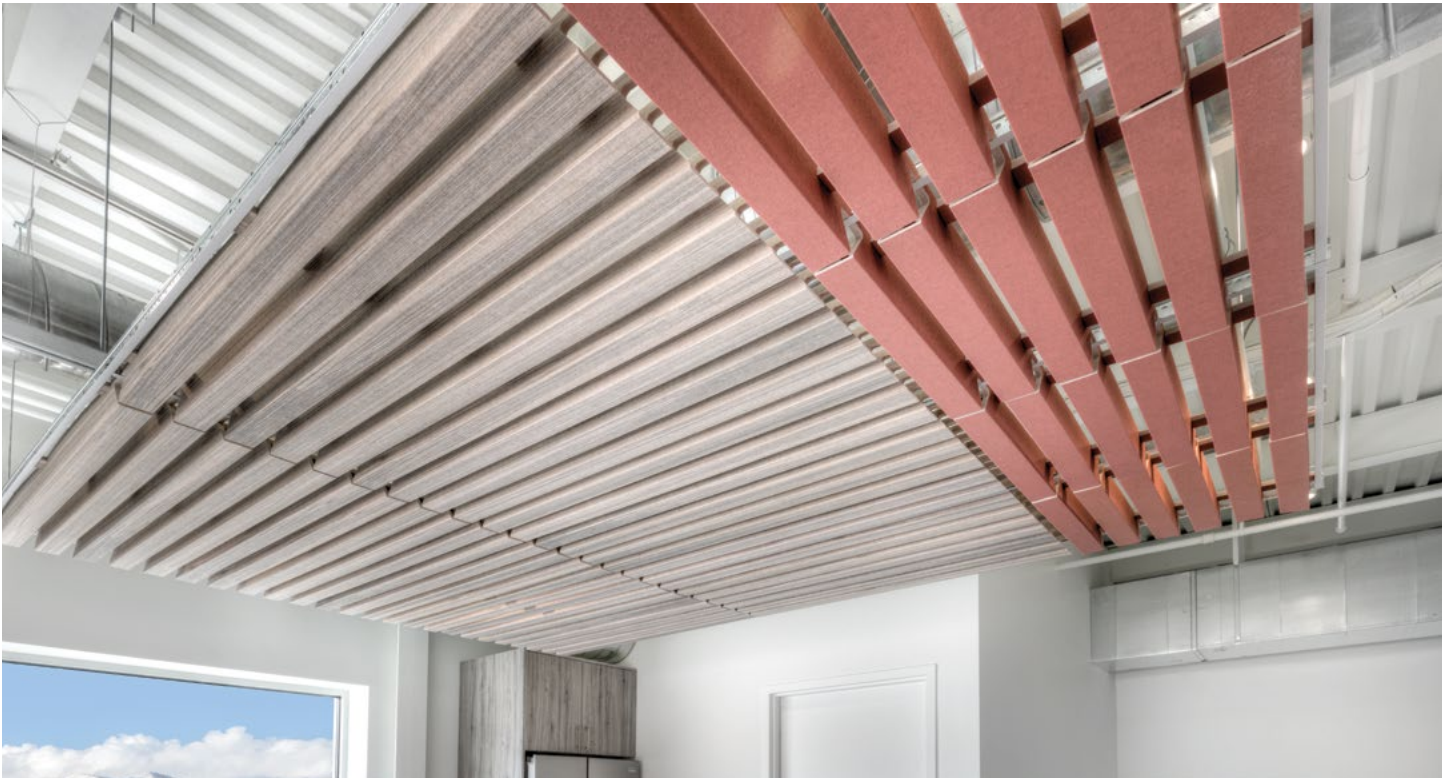
DARK CLAY



RIVER



SAP GREEN

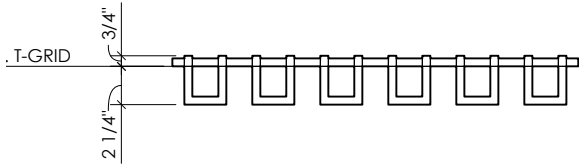


SIZE | BINARIO 01

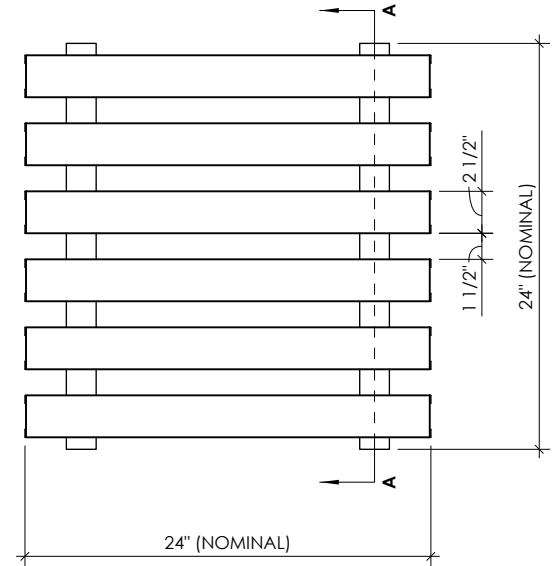
TILE DIMENSIONS

BINARIO 01 (2x2) - 24" x 24" NOMINAL

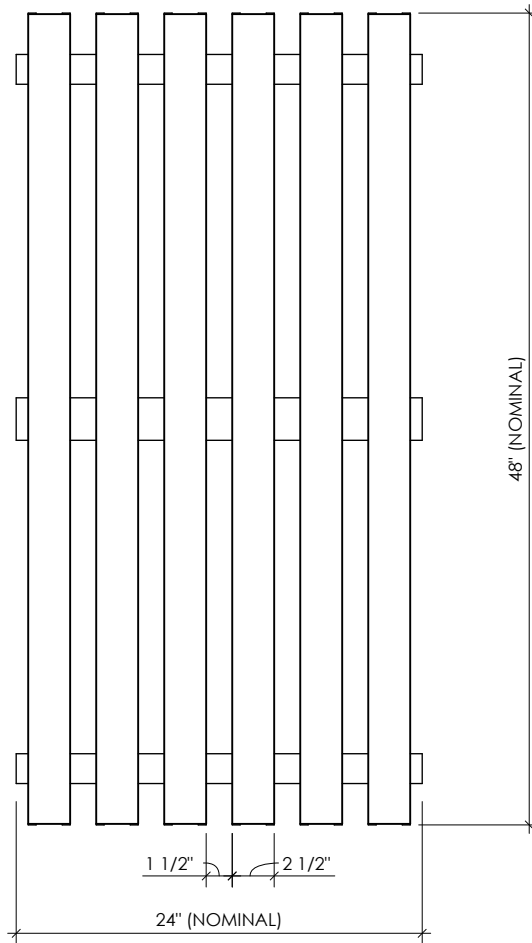
BINARIO 01 H & V (2x4) - 24" x 48" NOMINAL



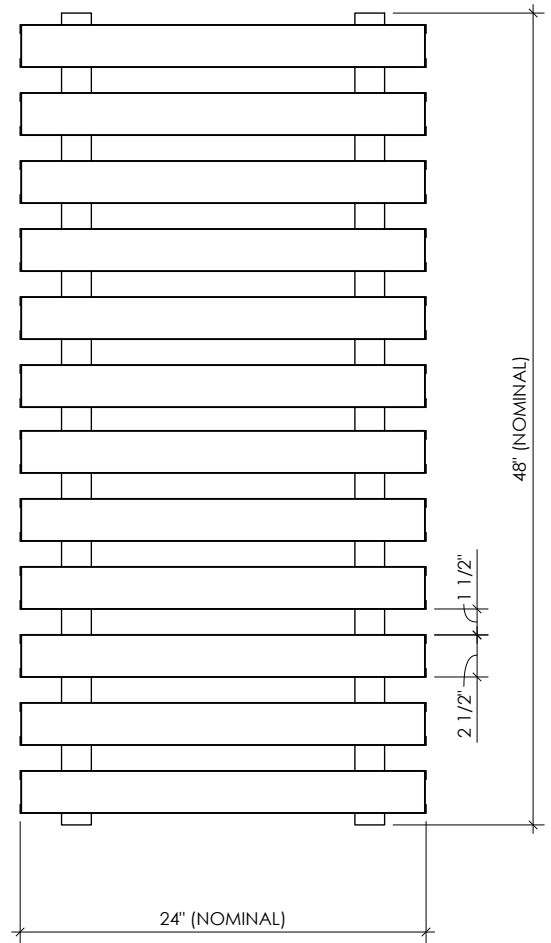
SECTION AA (TYP)



BINARIO 01 (2x2)



BINARIO 01 V (2x4)



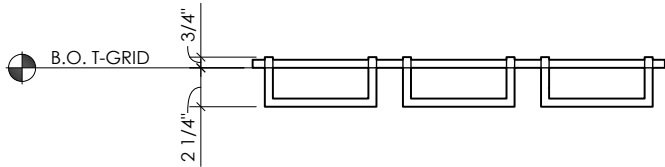
BINARIO 01 H (2x4)

SIZE | BINARIO 02

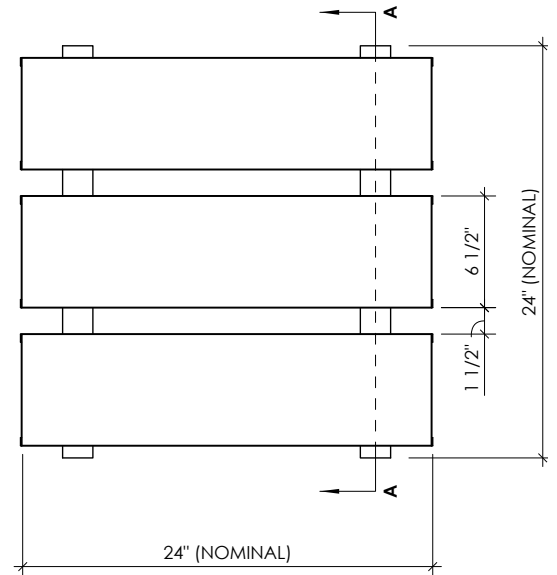
TILE DIMENSIONS

BINARIO 02 (2x2) - 24" x 24" NOMINAL

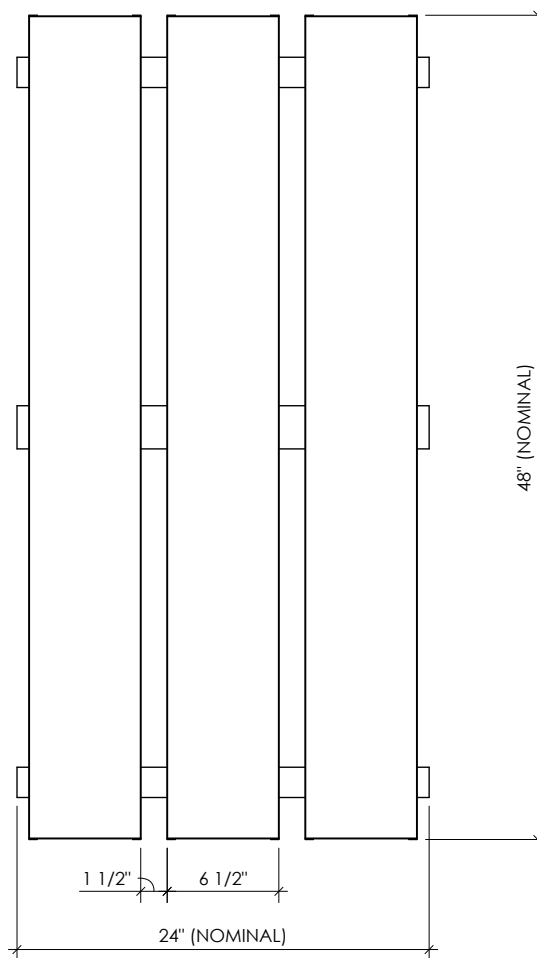
BINARIO 02 H & V (2x4) - 24" x 48" NOMINAL



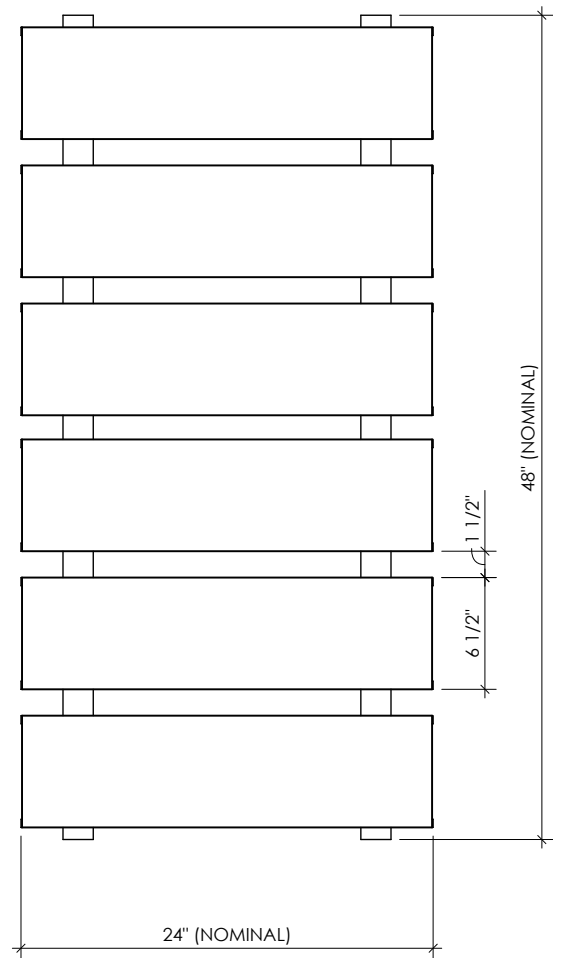
SECTION AA (TYP)



BINARIO 02 (2x2)

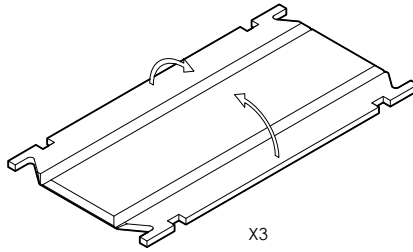


BINARIO 02 V (2x4)

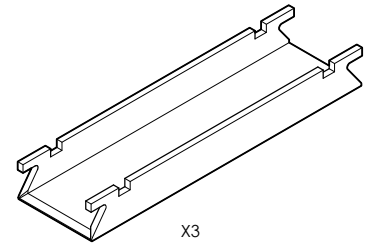


BINARIO 02 H (2x4)

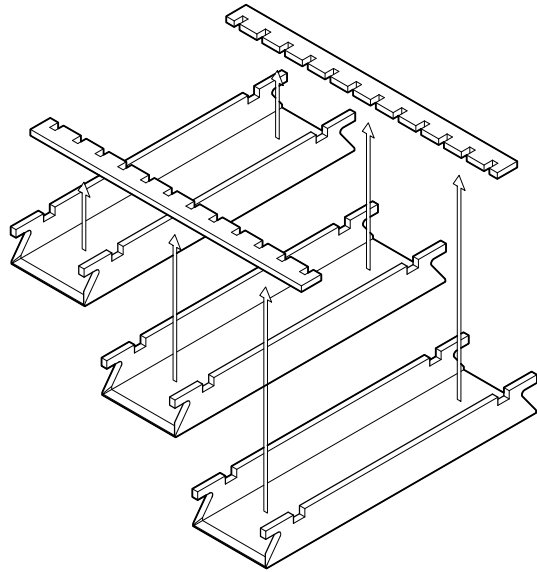
ASSEMBLY & INSTALLATION



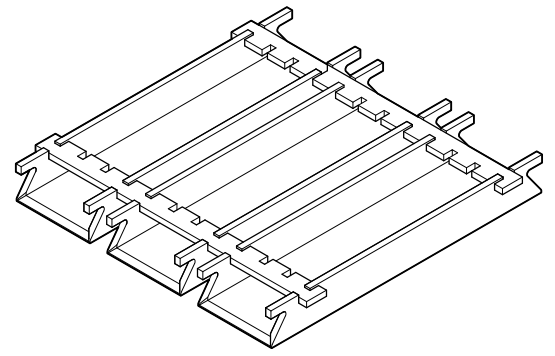
STEP ONE



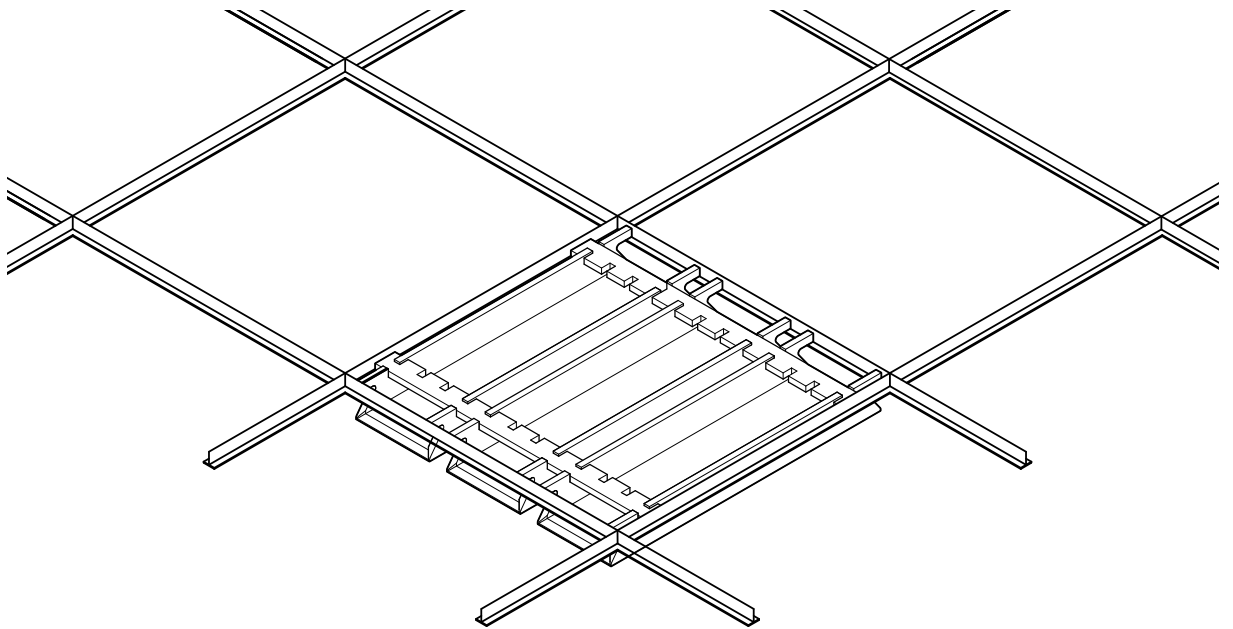
STEP TWO



STEP THREE



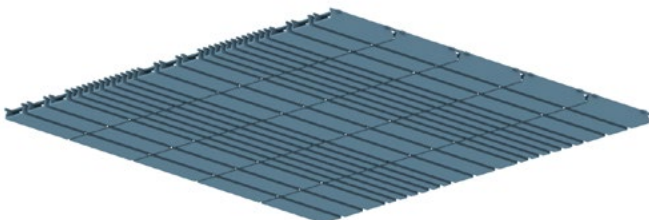
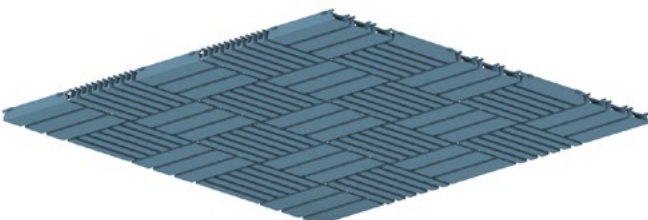
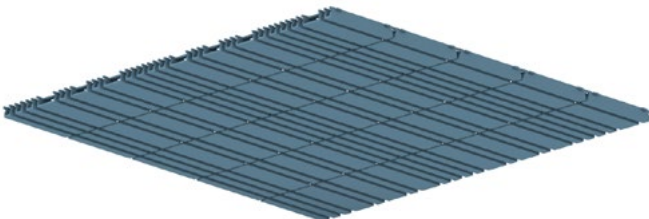
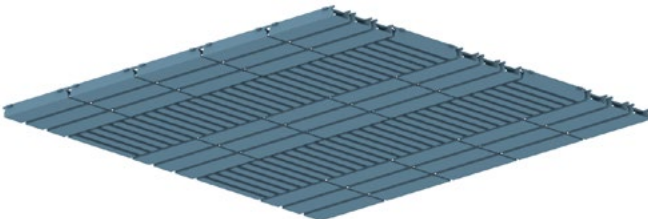
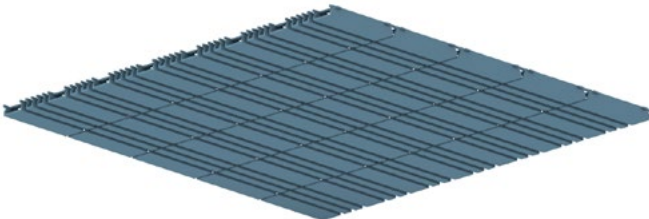
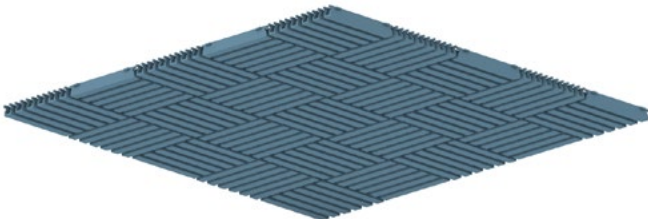
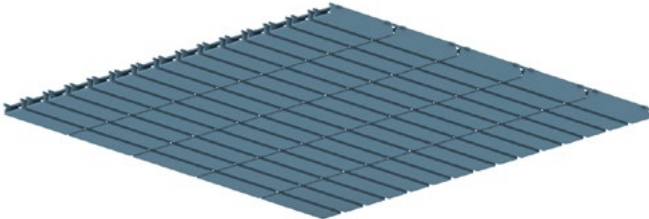
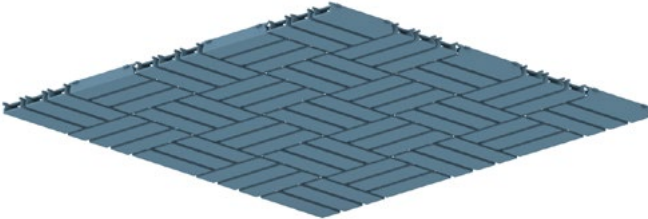
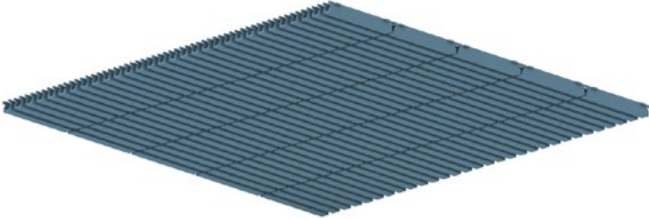
STEP FOUR



STEP FIVE

PATTERN IDEAS

MIX AND MATCH



ACOUSTICS

APPARENT NRC RATINGS

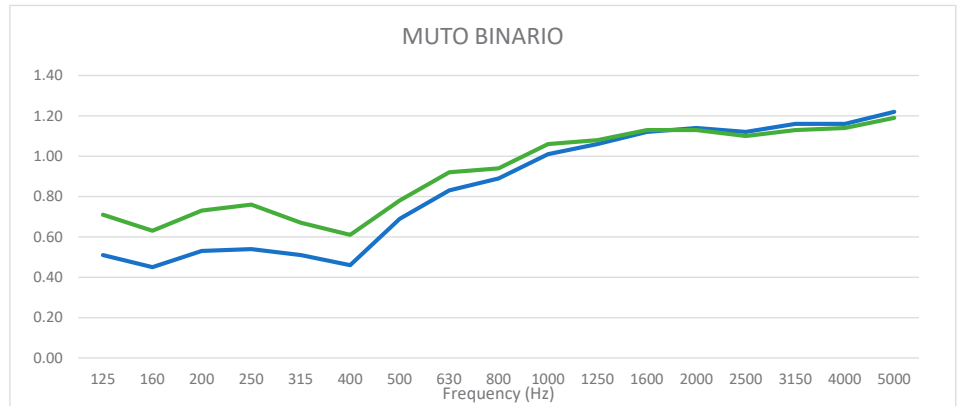
NRC values are typically used for flat surfaces of a given surface area, e.g. carpet or wall coverings. When rating hanging objects that are spread out, the 'Apparent NRC' is used.

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	α	SAMPLE FREQUENCY (Hz)				NRC	SAA
			250	500	1000	2000		
01 (SMALL)	E400	α	0.54	0.69	1.01	1.14	0.85	0.83
02 (WIDE)	E400		0.76	0.78	1.06	1.13	0.95	0.91

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.

