Warp Baffle

by

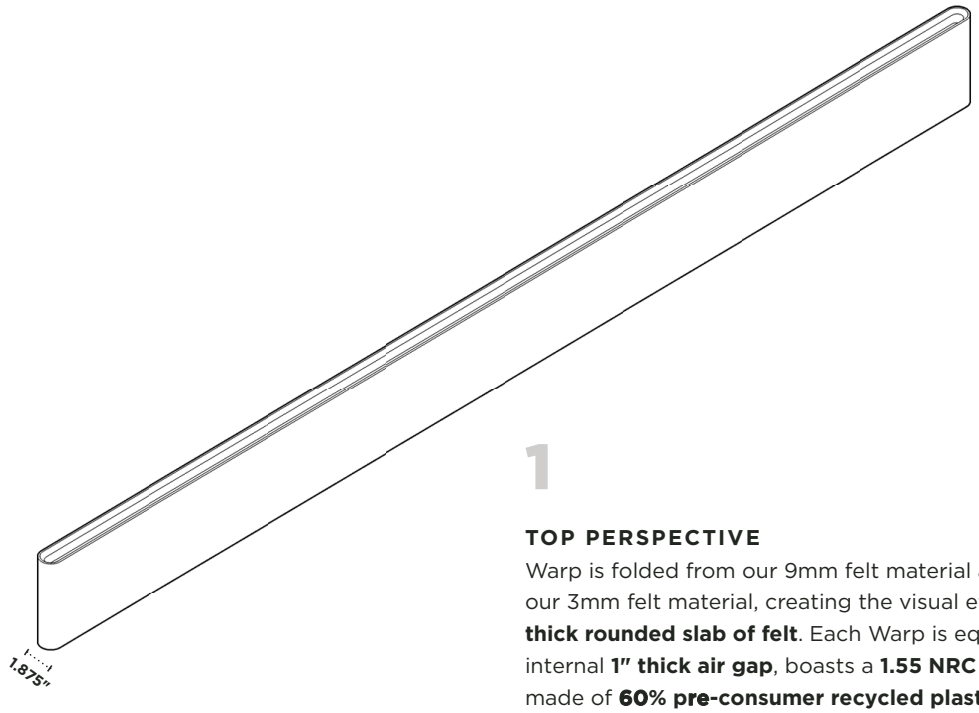
TURF™

Warp Baffle

LINEAR & DYNAMIC

Warp employs the aesthetic of warp speed enduced star streks. Minimal, visually active, and sophisticated, Warp both encourages movement and absorbs the excessive noise generated by it.

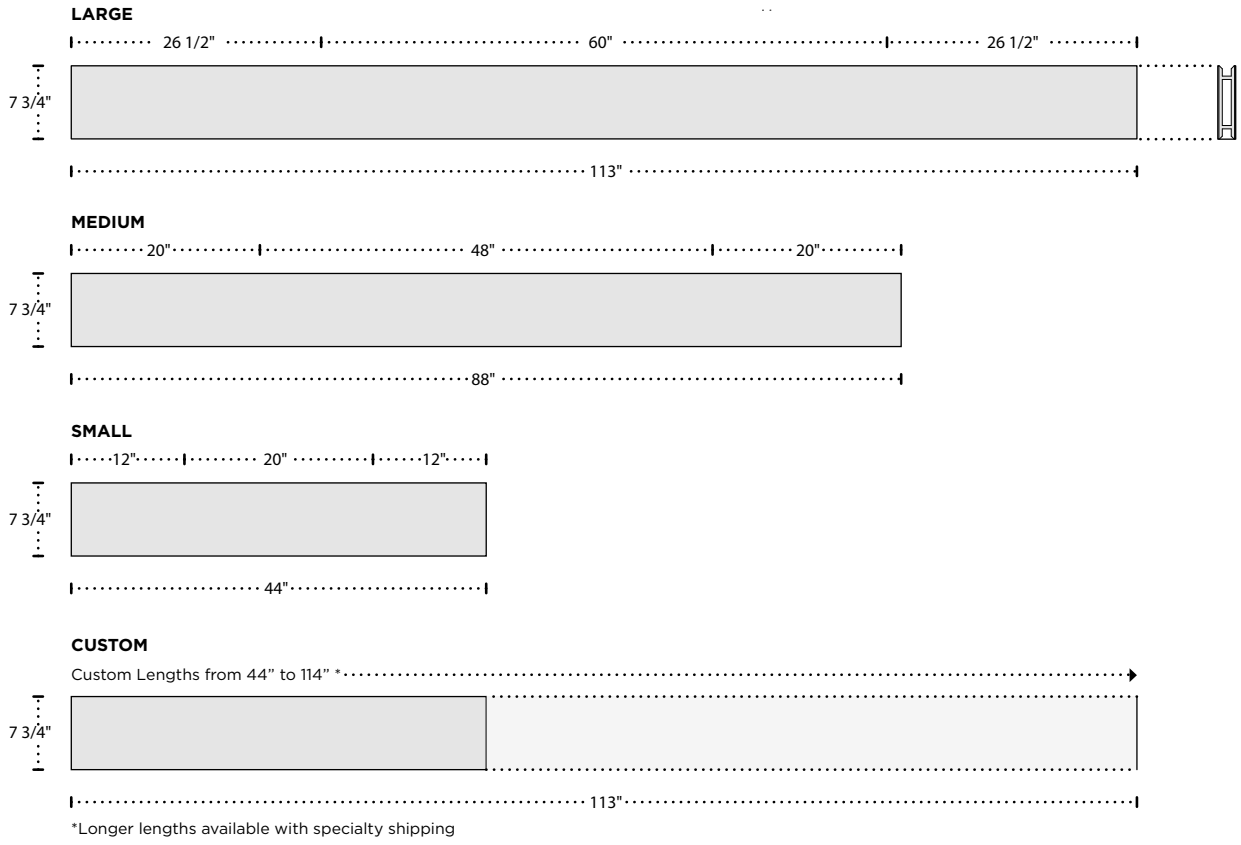
Baffle Sizes



1

TOP PERSPECTIVE

Warp is folded from our 9mm felt material and wrapped in our 3mm felt material, creating the visual effect of a **1.875" thick rounded slab of felt**. Each Warp is equipped with an internal **1" thick air gap**, boasts a **1.55 NRC rating**, and is made of **60% pre-consumer recycled plastic**.



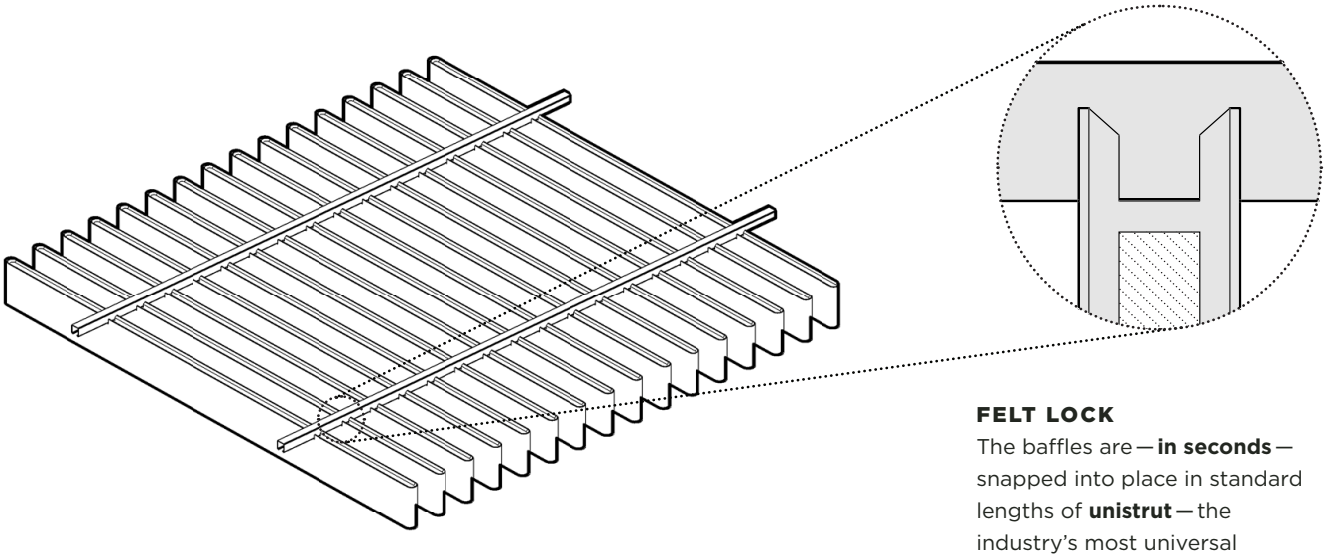
*Longer lengths available with specialty shipping

2

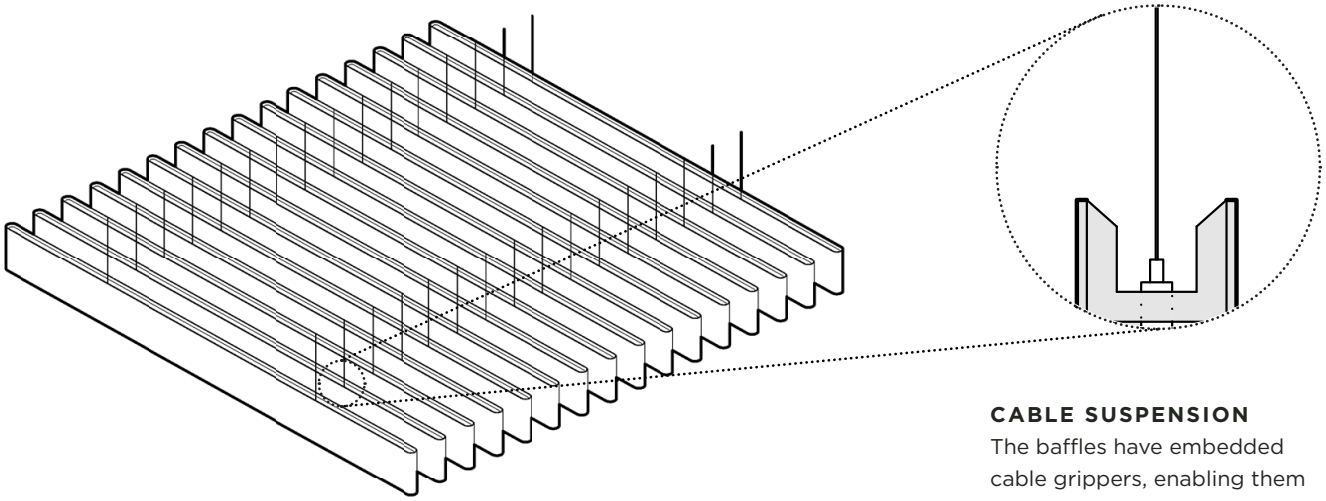
FRONT ELEVATION

In addition to custom lengths up to 113", Warp also comes in three standard sizes, making this product incredibly flexible.

Connection Types

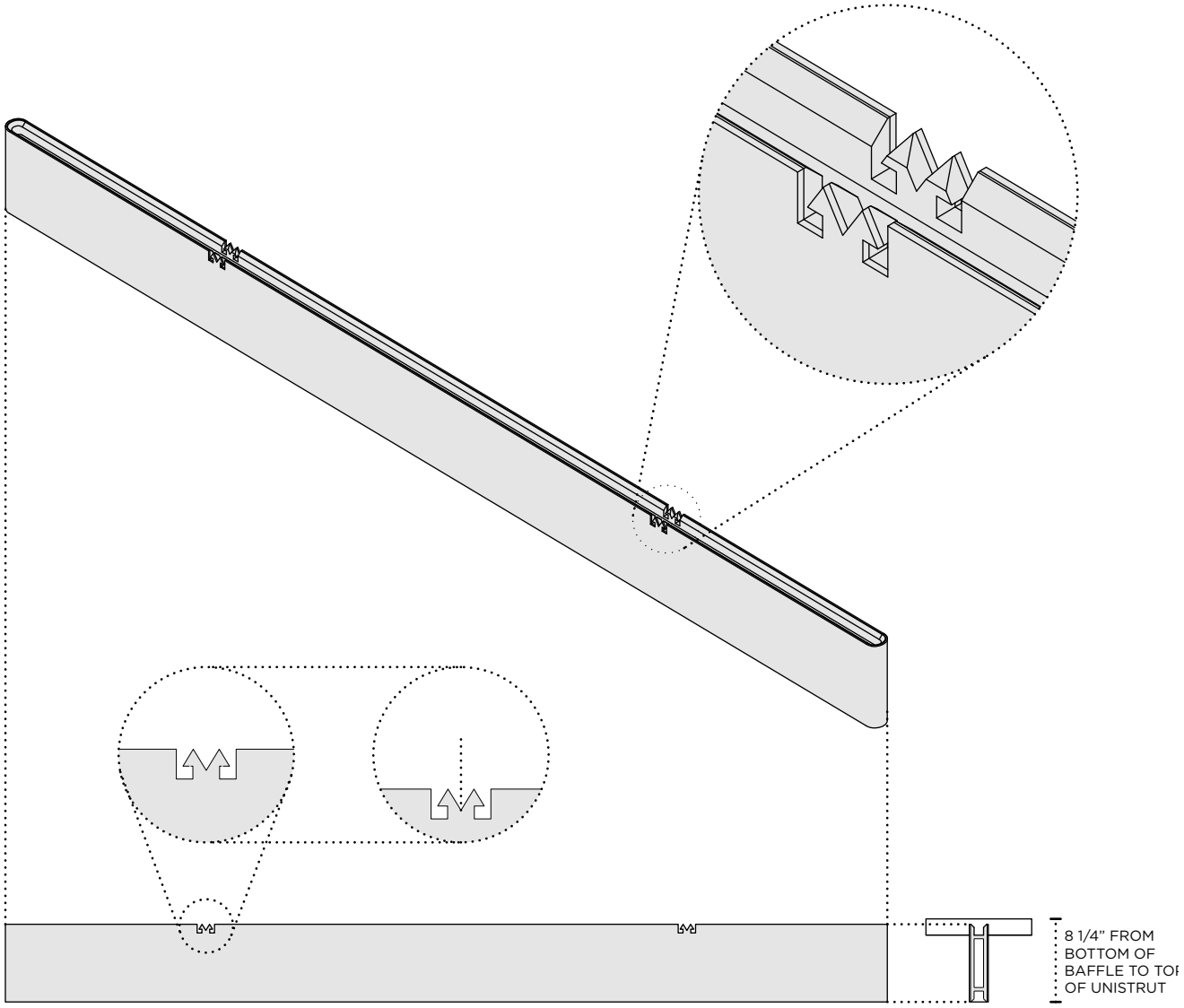


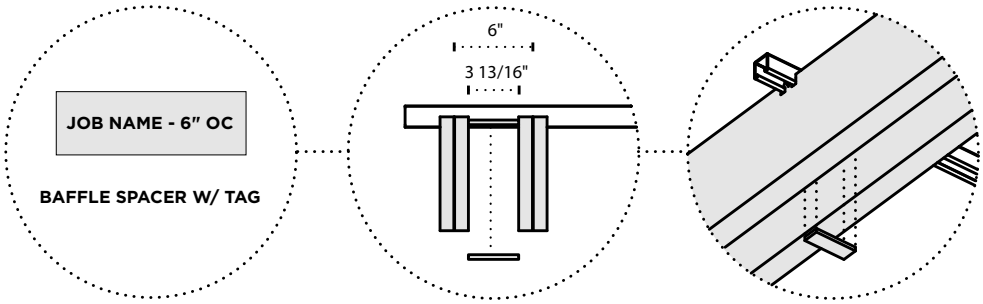
FELT LOCK
The baffles are — **in seconds** — snapped into place in standard lengths of **unistrut** — the industry's most universal installation hardware.



CABLE SUSPENSION
The baffles have embedded cable grippers, enabling them to snap **- in seconds -** into deck mounted **aircraft cables.**

Felt Lock





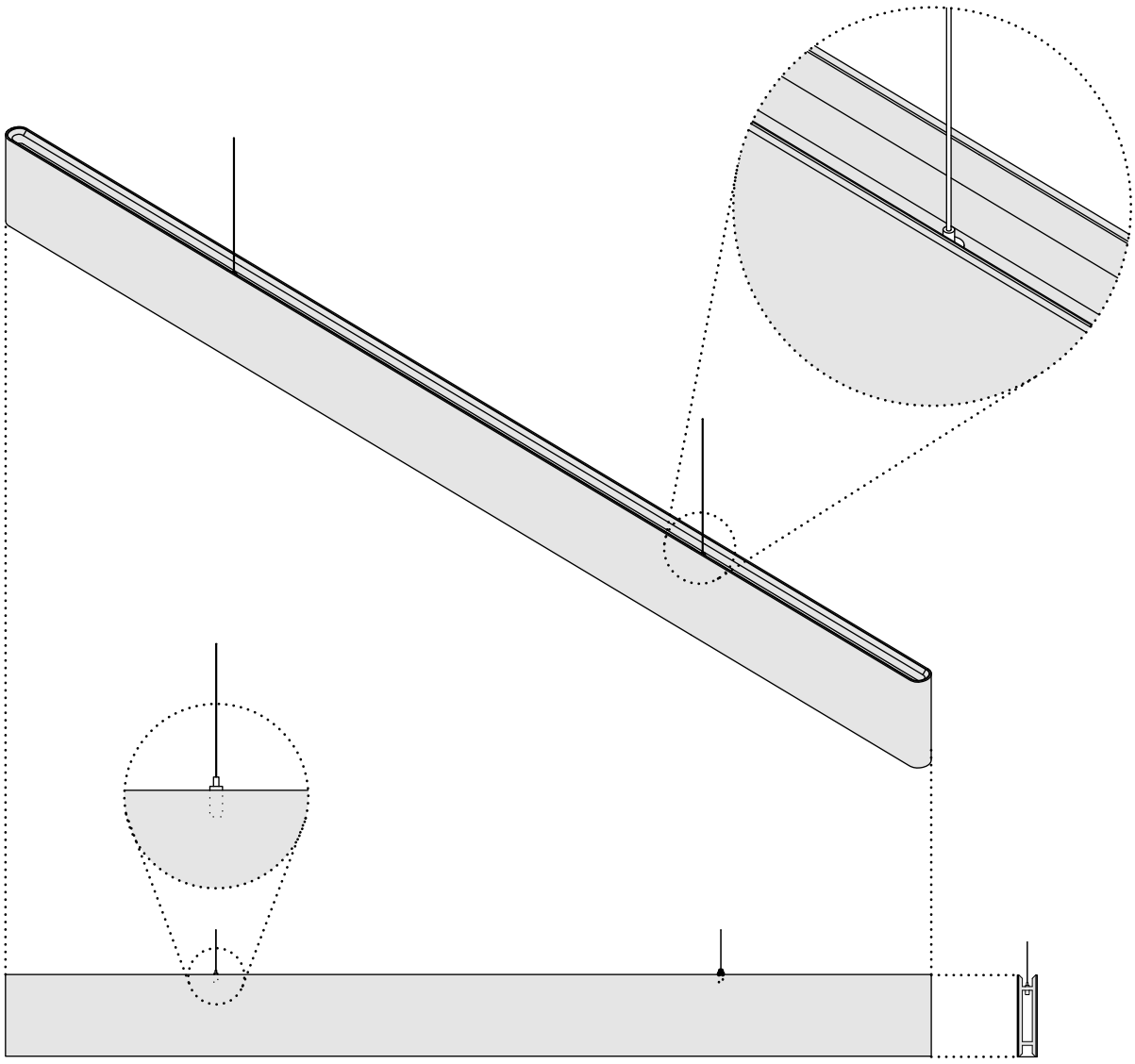
***Spacing dependent on project**

1

BAFFLE ASSEMBLY

The baffles are — **in seconds** — snapped into place in standard lengths of **unistrut** — the industry's most universal installation hardware. Evenly spaced with 9mm strips of felt that slide into the unistrut channel in between baffles.

Cable Suspension



2

BAFFLE ASSEMBLY

Attached directly to the deck, air craft cables can be arranged in any desired pattern. The baffles have embedded cable grippers, enabling them to snap **- in seconds -** into the deck mounted cables.

Specifications

PRODUCT NAME	Warp Baffle
CONTENT	Up to 60% Pre-Consumer Recycled Content Polyester Felt
FELT THICKNESS	9mm + 3mm
PANEL THICKNESS	1.875”
SMALL	44” x 7.75” x 1.875”
MEDIUM	88” x 7.75” x 1.875”
LARGE	113” x 7.75” x 1.875”
EDGE OPTIONS	Exposed Felt
COMPONENTS	Standard P1000T unistrut, aircraft cables, Standard Tee Grid, or Steel Truss Joists
DURABILITY	Contract
MAINTENANCE	Vacuum occasionally to remove any particulate matter and air-borne debris or dust. Compressed air can be used to dust the material in difficult to reach areas for large assemblies.
LEAD TIME	Check the Turf website for current lead times.
ENVIRONMENTAL	9mm PET felt board is made from up to 60% pre-consumer recycled content. TURF has a Declare Label for this product. TURF is pursuing product transparency for LEED V4 MR Credit 4 Option 1, and MR Credit 3 Option 2 for recycled content.
VARIATION	PET Felt uses a traditional ‘felting’ process to create its panels. This often results in a pleasing heathered effect, where multiple tones are present in the fiber. Slight and consistent variations in color should be expected when using this sustainable material.
ACOUSTICS	ASTM C423-17: NRC = 0.75 (Material)
VOC	ASTM D 5116 Compliant
FIRE RATING	Product made from Class A PET felt material tested under ASTM E-84.

9MM FELT

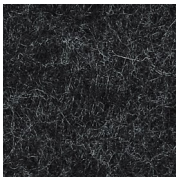
This product is made with 9 mm PET felt board. The process used to create PET felt often results in a heathered effect where multiple tones are present. Slight variations in color should be expected when using this sustainable material.

Felt thickness is 9 mm +/- 0.5 mm.

Monitors and printers vary. Please request a material sample to verify felt colors.

Looking for the old color palette?
Old colors are still available for legacy projects, but check with us for availability if you're interested in using them for new projects.

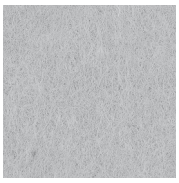

07 BLACK

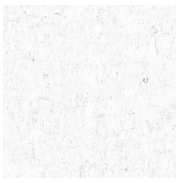

06 CHARCOAL


09 DAMASCUS


98 STORM


04 LIGHT GREY


66 PEWTER


50 IVORY


01 CREAM

33 LUMINARY

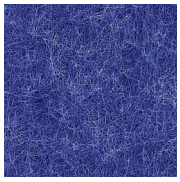

05 WHITE


35 BARK


34 TONAL TAUPE


82 BARLEY


83 HOLLAND OATS


24 ROYAL BLUE


10 TOPO GREEN

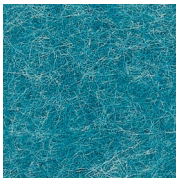

12 GRASSHOPPER


11 CELADON

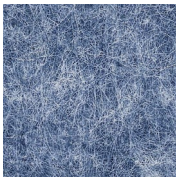

40 MAGENTA


41 DRIED LAVENDER


28 INDIGO

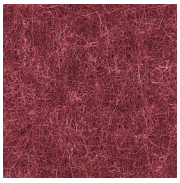

30 CYAN

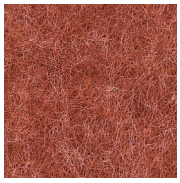

31 AZURE


27 JEAN JACKET

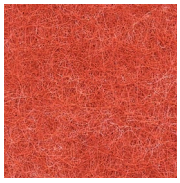

26 FADED DENIM

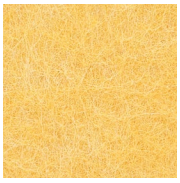

23 RED


15 MERLOT


18 ULTISOL


17 BLUSH


43 ORANGE CRUSH


63 SAFFLOWER

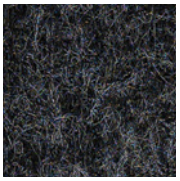
64 PLANTAIN

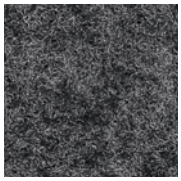
3MM FELT

In addition to the 9mm boards we can also integrate 3mm PET fabric into the products through lamination. The layered material enhances not only the acoustic performance, but allows for color combinations and color reveals.

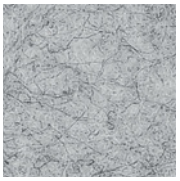
Monitors and printers vary. Please request a material sample to verify felt colors.


R11 BLACK


R28 MIDNIGHT


R02 DARK GREY

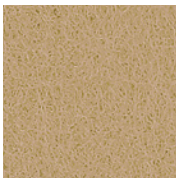

R25 FLINT


R03 LIGHT GREY

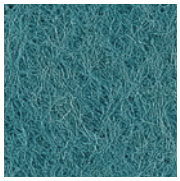

R01 WHITE


R09 BISQUE


R13 PARCHMENT


R20 TAN

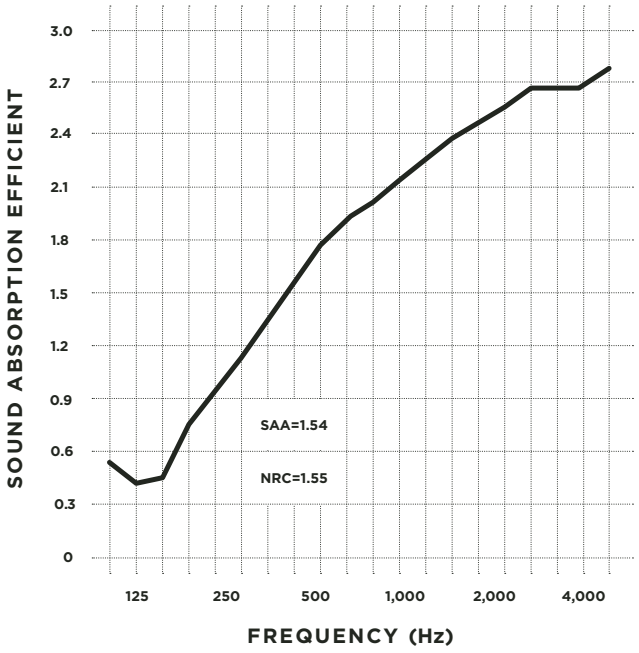

R07 MARIGOLD


R22 TEAL


R19 BLUE

Acoustic Testing (ASTM C 423-17)

FREQUENCY (Hz)	SOUND ABSORPTION COEFFICIENT
32	.04
40	.-01
50	-.13
63	.49
80	.43
100	.30
125	.21
160	.22
200	.42
250	.57
315	.78
400	.98
500	1.22
630	1.42
800	1.63
1,000	1.88
1,250	2.15
1,600	2.32
2,000	2.48
2,500	2.58
3,150	2.56
4,000	2.56
5,000	2.64
6,300	2.61
8,000	2.63
10,000	2.60
12,500	2.41



TEST ARRANGEMENT

Type J Mounting: The specimen is an array of spaced sound absorbing baffles suspended from a cable approximately 1206.5mm (47.5 in.) above the horizontal test surface. This approximates the mounting method of a typical ceiling baffle installation. The baffles were evenly distributed in four rows four units each. Baffles were spaced 305 mm (12 in.) apart. Rows were spaced 762mm (30 in.) apart.


Declare.

3mm + 9mm PET Acoustic Panel
TURF Design

Final Assembly: Gilberts, Illinois, USA
Life Expectancy: 50 Year(s)
End of Life Options: Salvageable/Reusable in its Entirety, Recyclable (100%)

Ingredients:

PET; Flame Retardant; N,N'-Ethylene bis(stearamide); White Tint; Antioxidant 1076; Antioxidant KY-405; Stearic Acid

Living Building Challenge Criteria: Compliant

I-13 Red List:
■ LBC Red List Free
☐ LBC Red List Approved
☐ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

I-10 Interior Performance: CDPH Standard Method v1.2-2017
I-14 Responsible Sourcing: Not Applicable

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