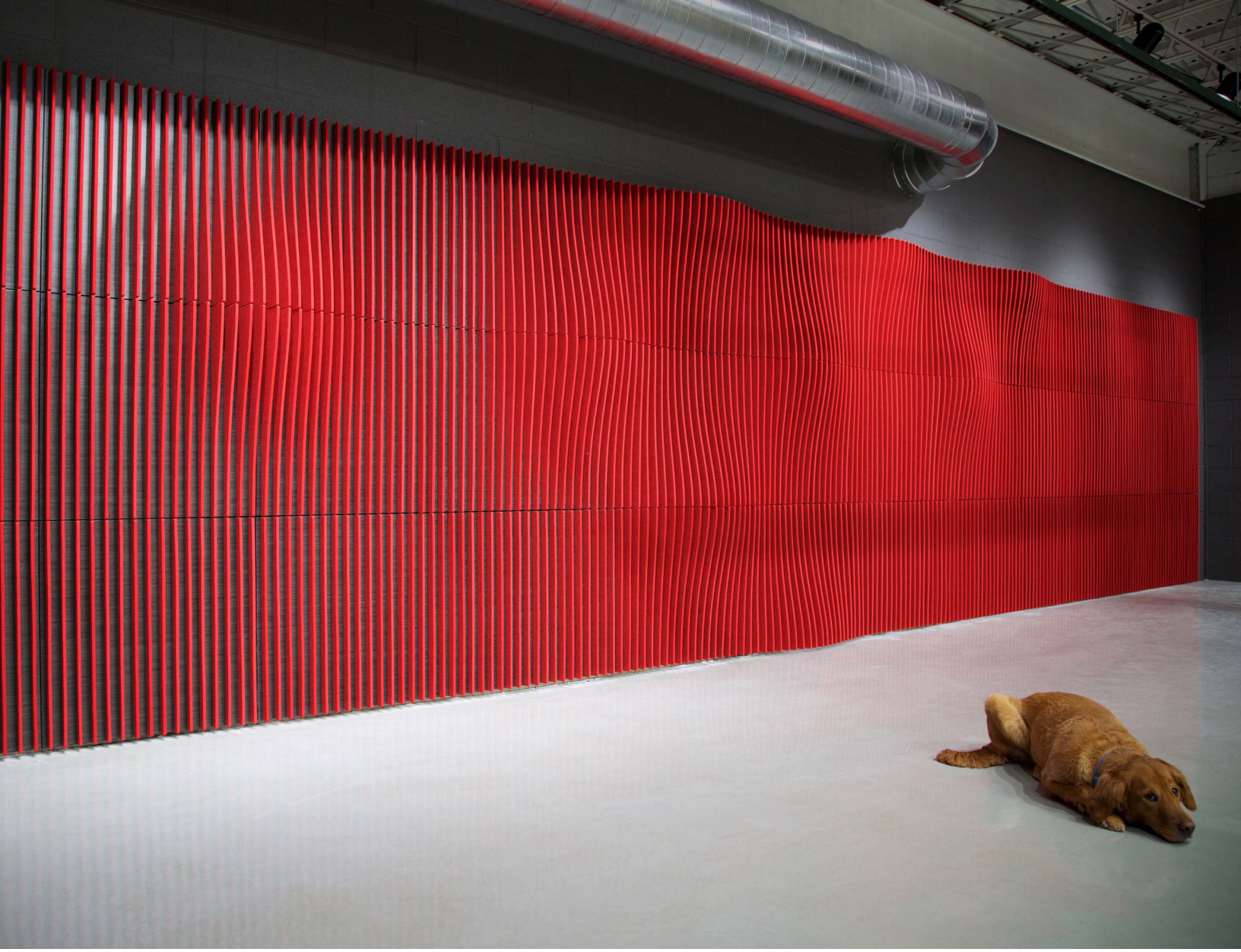
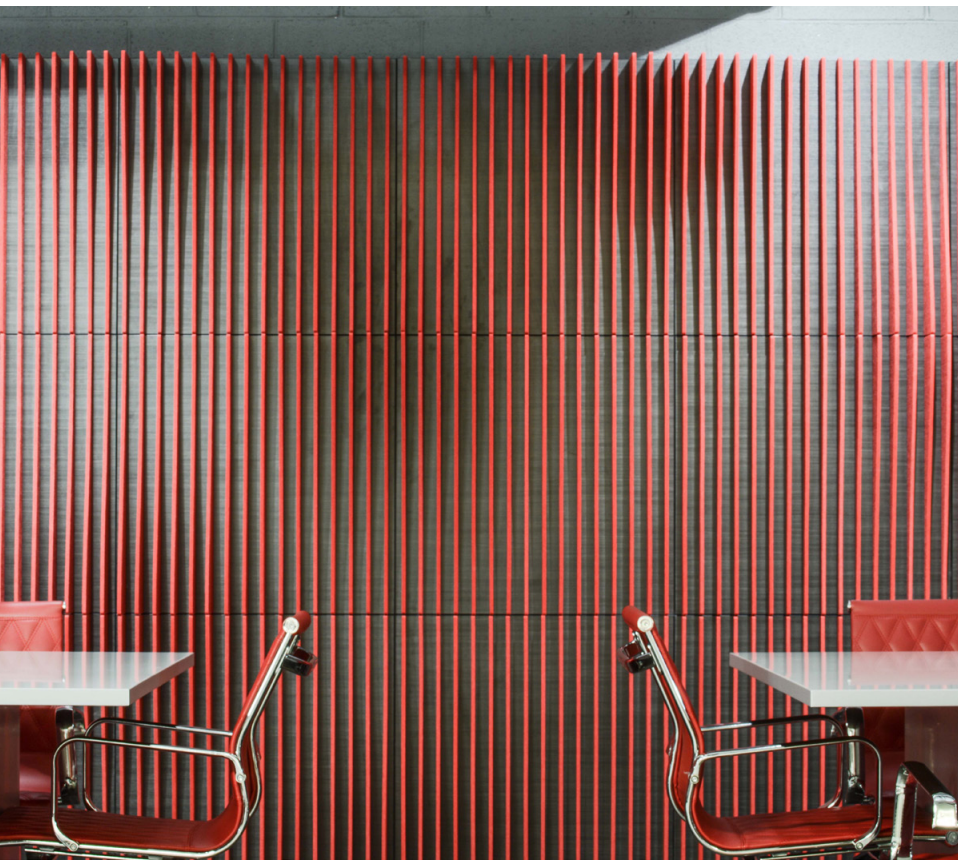

Torrent Tile
by
TURF





Torrent Tile

MODULAR & CUSTOM

The Torrent Tile is a modular acoustic tiling system that can be easily configured to create seemingly endless "custom" wall sculptures. With only three modular Torrent Tiles, endless varieties of undulations, ebbs and flows, and transitions can be created within any interior environment.

Assembly

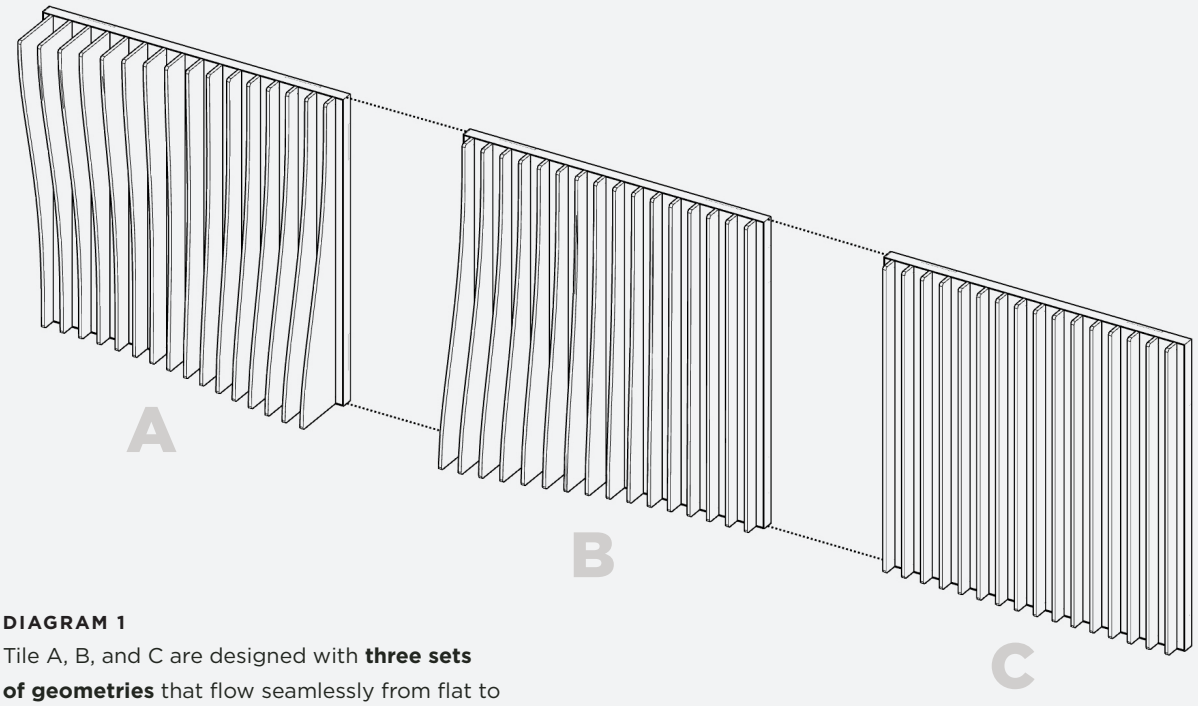
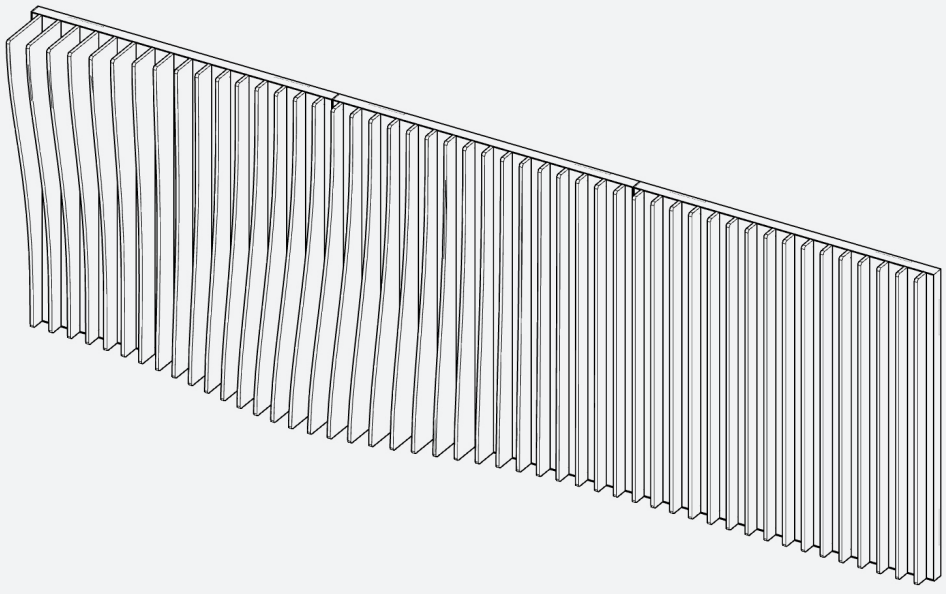


DIAGRAM 1
Tile A, B, and C are designed with **three sets of geometries** that flow seamlessly from flat to undulation when joined together.

DIAGRAM 2
The vertical slats create acoustic geometries that allow sound to enter, bounce around, and become absorbed.



Assembly

DIAGRAM 3

Torrent Tiles are designed so that their vertical slats can be reconfigured from **Right-to-Left** to **Left-to-Right.** This allows the undulation to continue horizontally and vertically by simply mirroring the tiles.

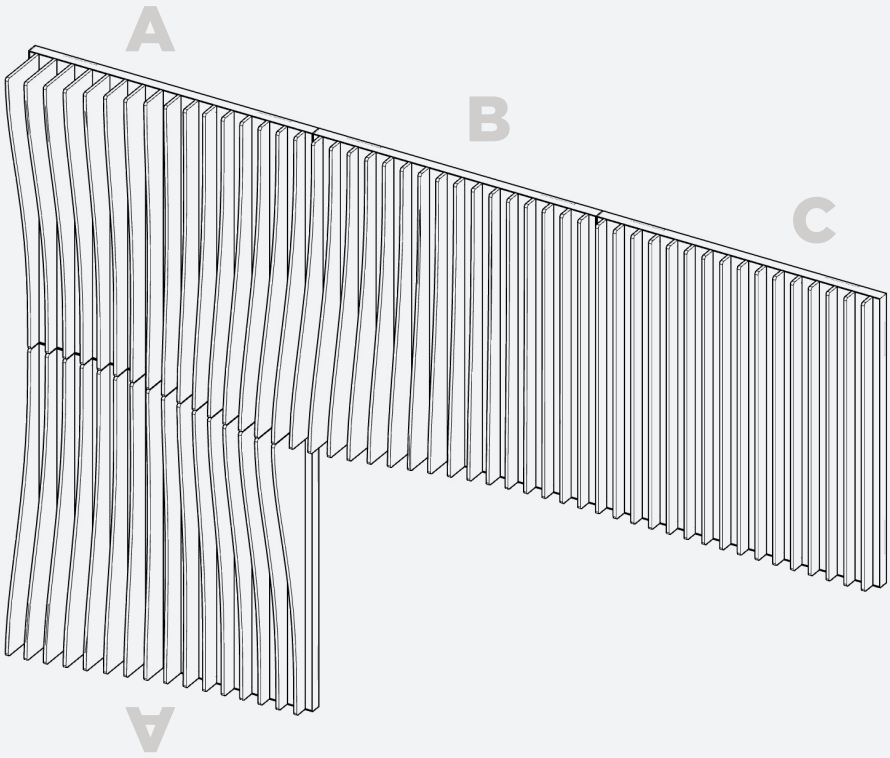
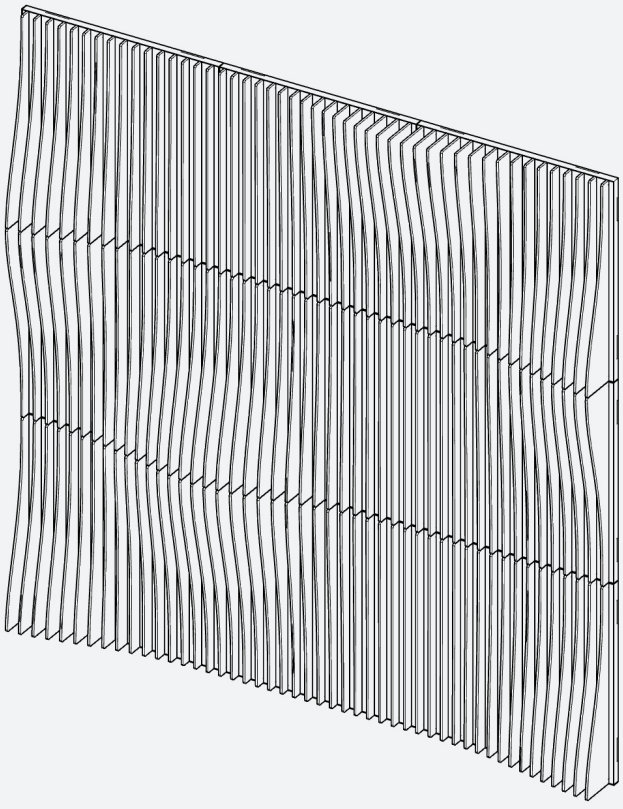


DIAGRAM 4

As the Torrent Tile process is repeated, an entire wall can be filled with a custom undulating form.

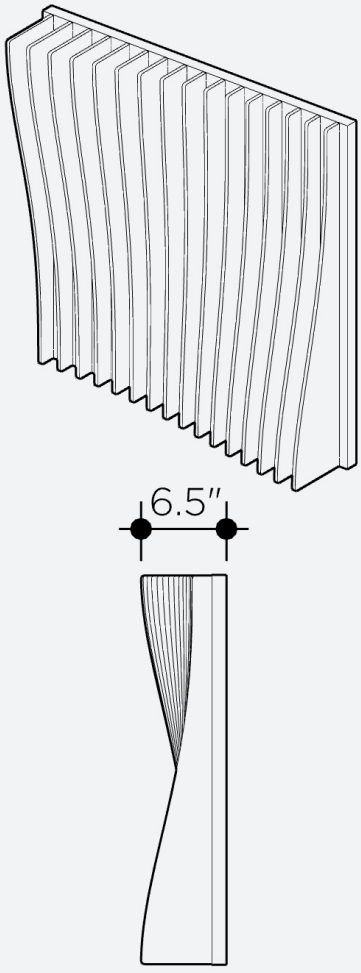


Tile A

1

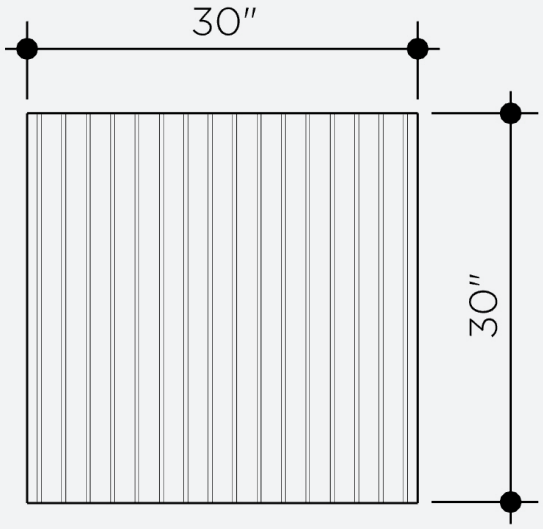
PERSPECTIVE DETAIL

Tile A is designed with an undulation in each corner which crates a sinuous undulating geometry when repeated.



2

FRONT ELEVATION DETAIL



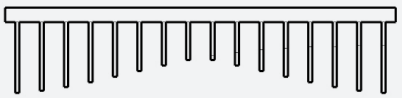
3

SIDE ELEVATION DETAIL

Tile A **extends 6.5″ from the wall**, allowing the felt material to be extremely rigid and strong enough to withstand being leaned on by users.

4

TOP VIEW DETAIL

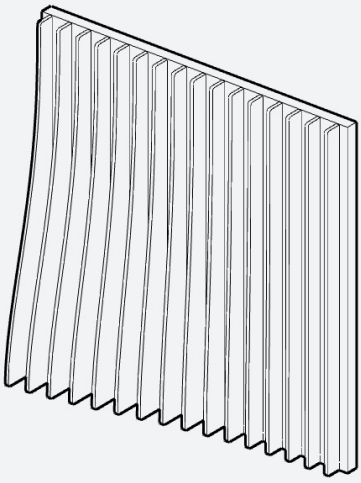


Tile B

1

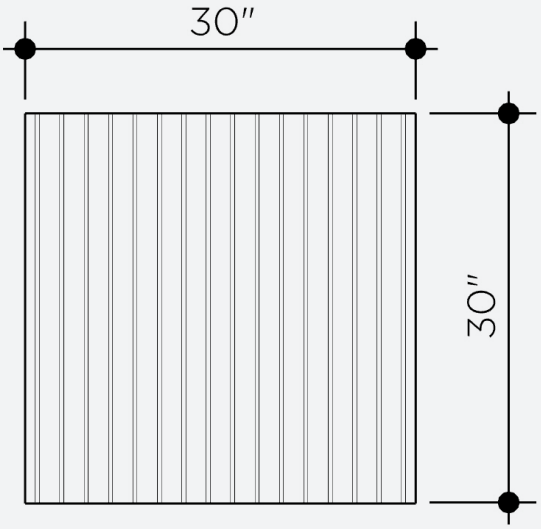
PERSPECTIVE DETAIL

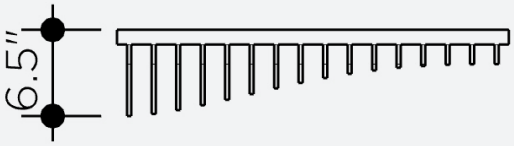
Tile B is designed with an undulation in one corner and flat in the other, so that the designer can transition from Tile A to tile C. Tile B is the connecting tile that transitions from undulation to flat.



2

FRONT ELEVATION DETAIL





3

SIDE ELEVATION DETAIL

Tile B **extends 6.5″ from the wall**, allowing the felt material to be extremely rigid and strong enough to withstand being leaned on by users.

4

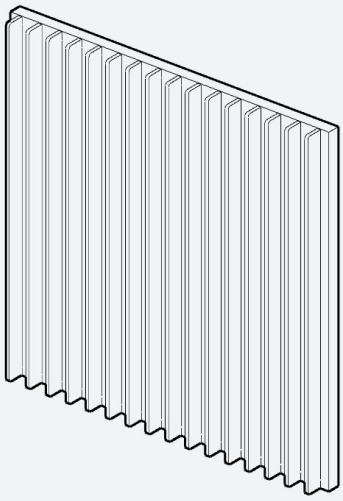
TOP VIEW DETAIL

Tile C

1

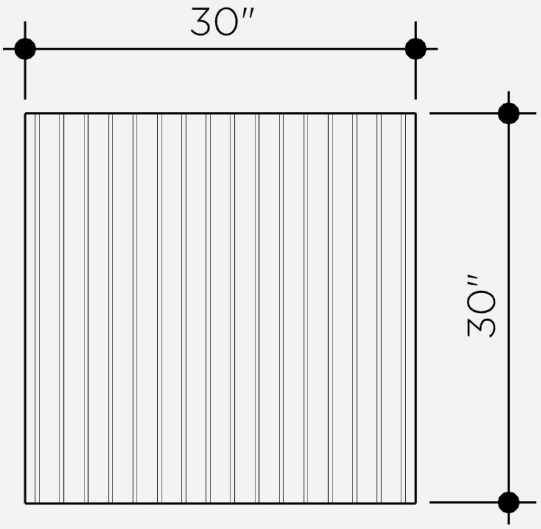
PERSPECTIVE DETAIL

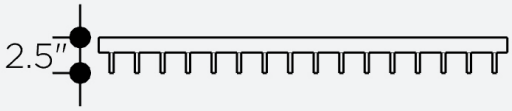
Tile B is designed with an undulation in one corner and flat in the other, so that the designer can transition from Tile A to tile C. Tile B is the connecting tile that transitions from undulation to flat.



2

FRONT ELEVATION DETAIL





3

SIDE ELEVATION DETAIL

Tile C **extends 6.5″ from the wall**, allowing the felt material to be extremely rigid and strong enough to withstand being leaned on by users.

4

TOP VIEW DETAIL

Specifications

PRODUCT NAME	Torrent Tile (patent pending)
CONTENT	Up to 60% Recycled Polyester Felt
FELT THICKNESS	9mm
PANEL THICKNESS	1.125″
STANDARD SIZE	30″X 30″
MAXIMUM SIZE	30″X 30″
EDGE OPTIONS	Exposed Felt with Felt Substrate
COMPONENTS	N/A
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 or 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 polyester plastic, declare red list free. TURF is pursuing product transparency for LEED V4 MR Credit 4 Option 1, and MR Credit 3 Option 2 for recycled content. Declare Red List Free
VARIATION	PET Felt uses a traditional ‘felting’ process to create it’s 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 C 423: NRC [500hz] = .76 NRC [1000hz] = 1.00
FIRE RATING	FELT is UL Tested ASTM E-84: Class A

9MM FELT

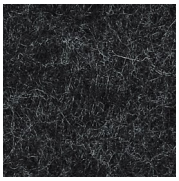
This product is made with 9 mm PET felt board. The process used to create PET felt often results in a heathered effect where multiple tones are present. Slight variations in color should be expected when using this sustainable material.

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.

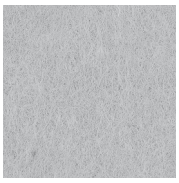

07 BLACK

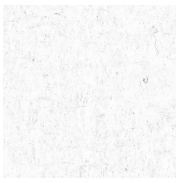

06 CHARCOAL


09 DAMASCUS


98 STORM


04 LIGHT GREY


66 PEWTER


50 IVORY


01 CREAM

33 LUMINARY

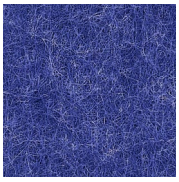

05 WHITE


35 BARK


34 TONAL TAUPE


82 BARLEY


83 HOLLAND OATS


24 ROYAL BLUE


10 TOPO GREEN

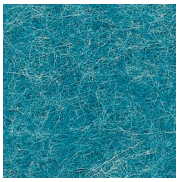

12 GRASSHOPPER


11 CELADON

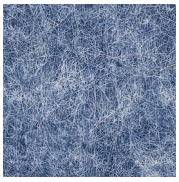

40 MAGENTA


41 DRIED LAVENDER


28 INDIGO

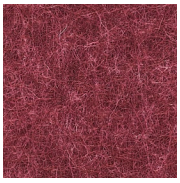

30 CYAN

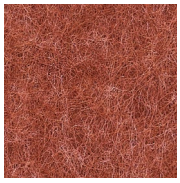

31 AZURE


27 JEAN JACKET

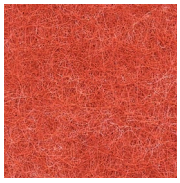

26 FADED DENIM

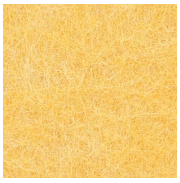

23 RED


15 MERLOT


18 ULTISOL


17 BLUSH

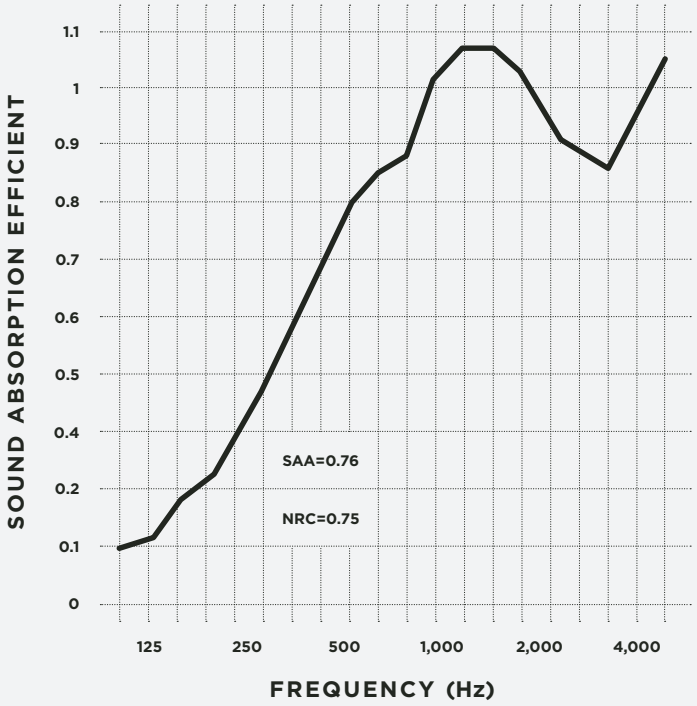

43 ORANGE CRUSH


63 SAFFLOWER

64 PLANTAIN

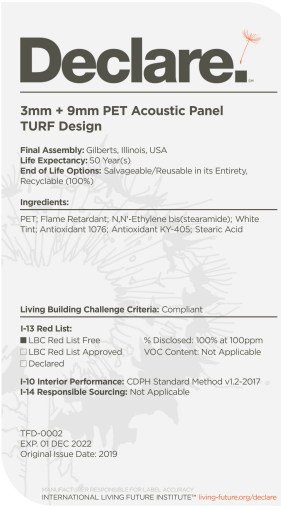
Acoustic Testing (ASTM C 423)

FREQUENCY (Hz)	SOUND ABSORPTION COEFFICIENT
32	.03
40	.01
50	-.02
63	-.07
80	.06
100	.09
125	.12
160	.20
200	.24
250	.33
315	.45
400	.59
500	.76
630	.85
800	.89
1,000	1.00
1,250	1.06
1,600	1.06
2,000	.99
2,500	.89
3,150	.83
4,000	.94
5,000	1.04
6,300	1.00
8,000	1.05
10,000	1.07
12,500	1.07



TEST ARRANGEMENT

PET Acoustic panel +100mm air layer (Filled with 50mm rock wool board).


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

TFD-0002
EXP. 01 DEC 2022
Original Issue Date: 2019

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