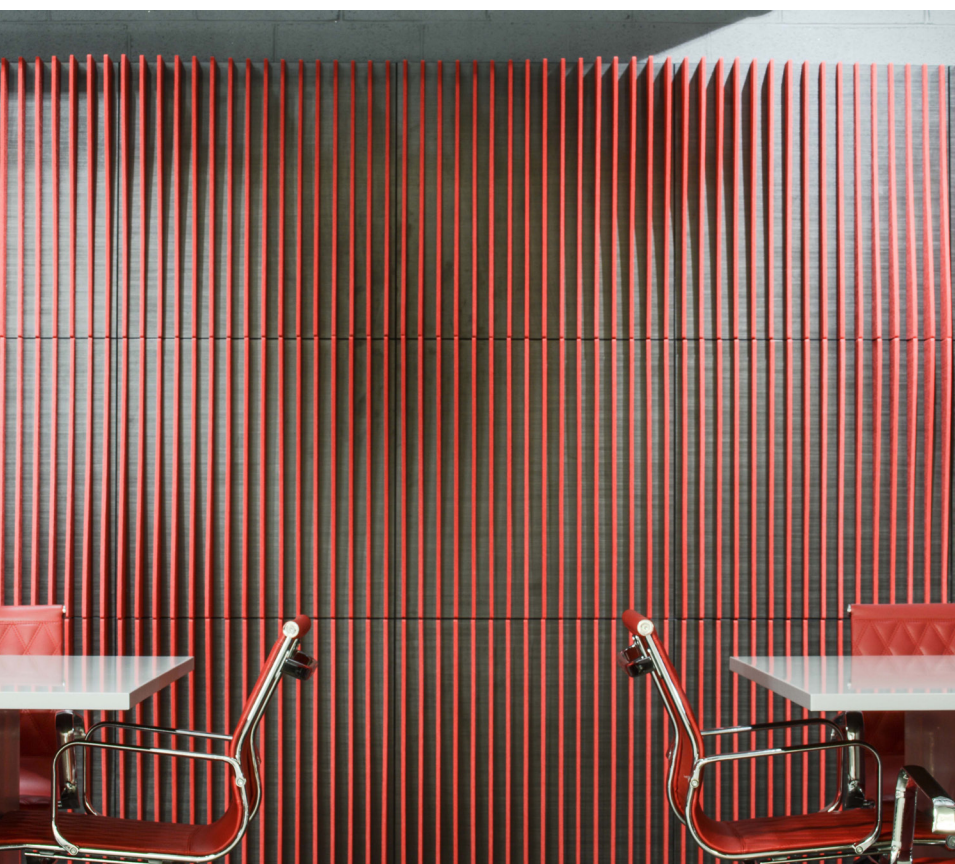
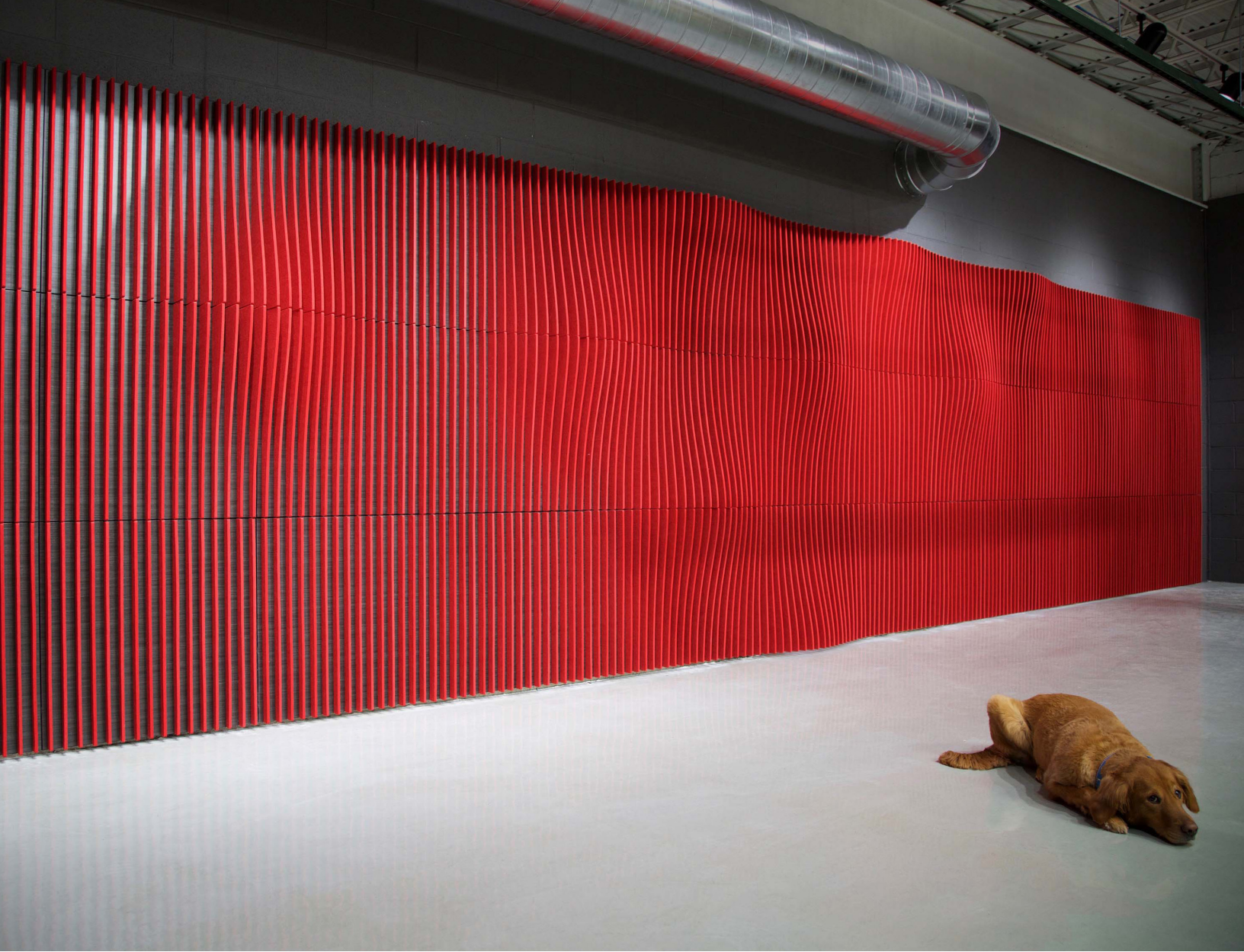


Torrent Tile

by

T U R F



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

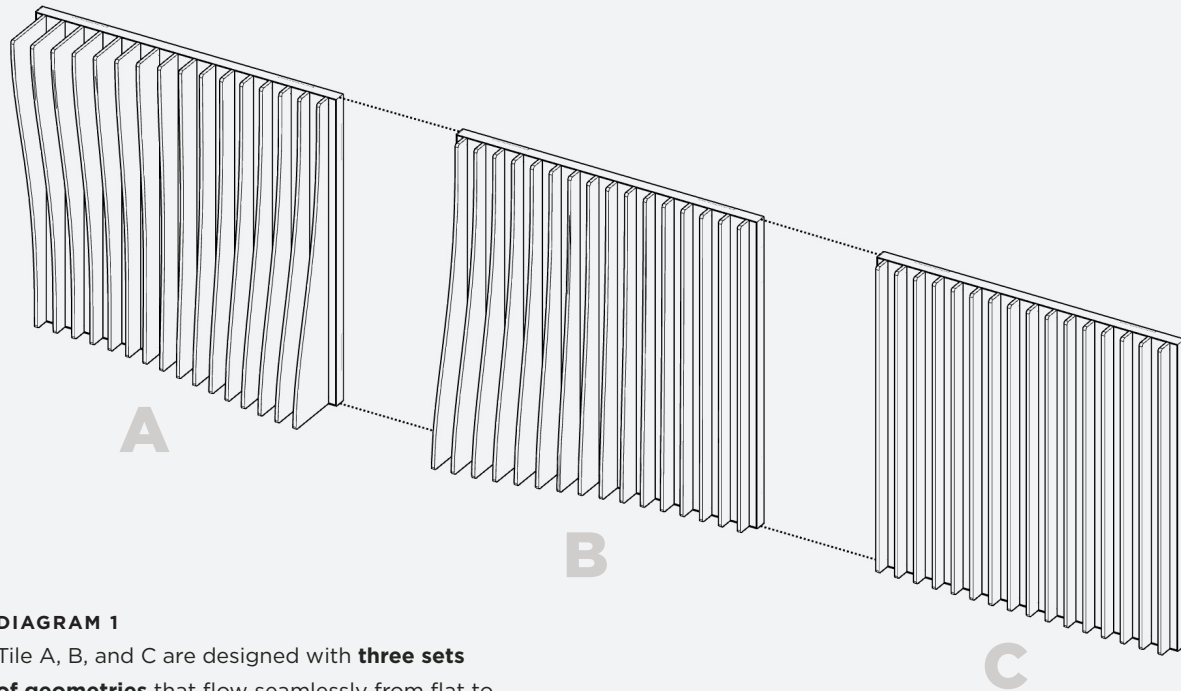
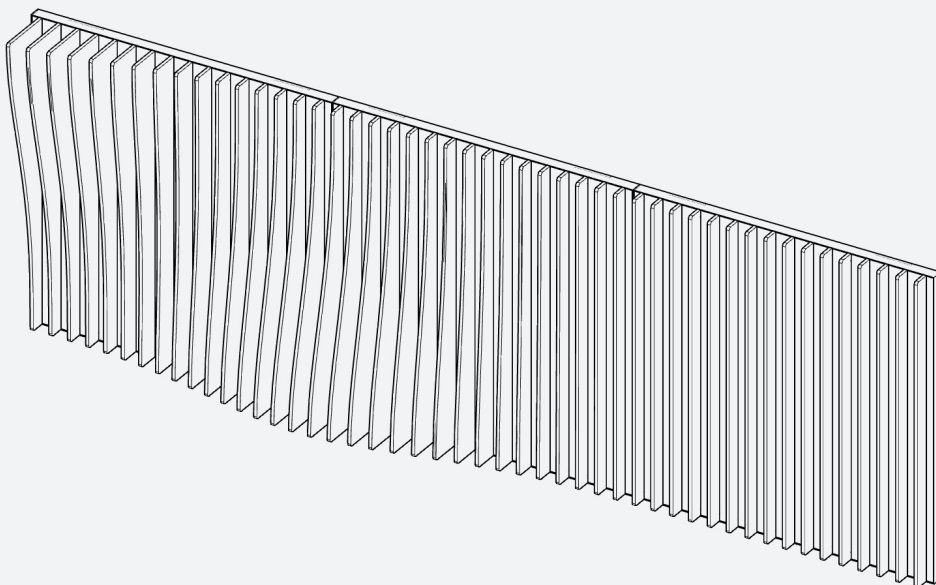


DIAGRAM 1

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.

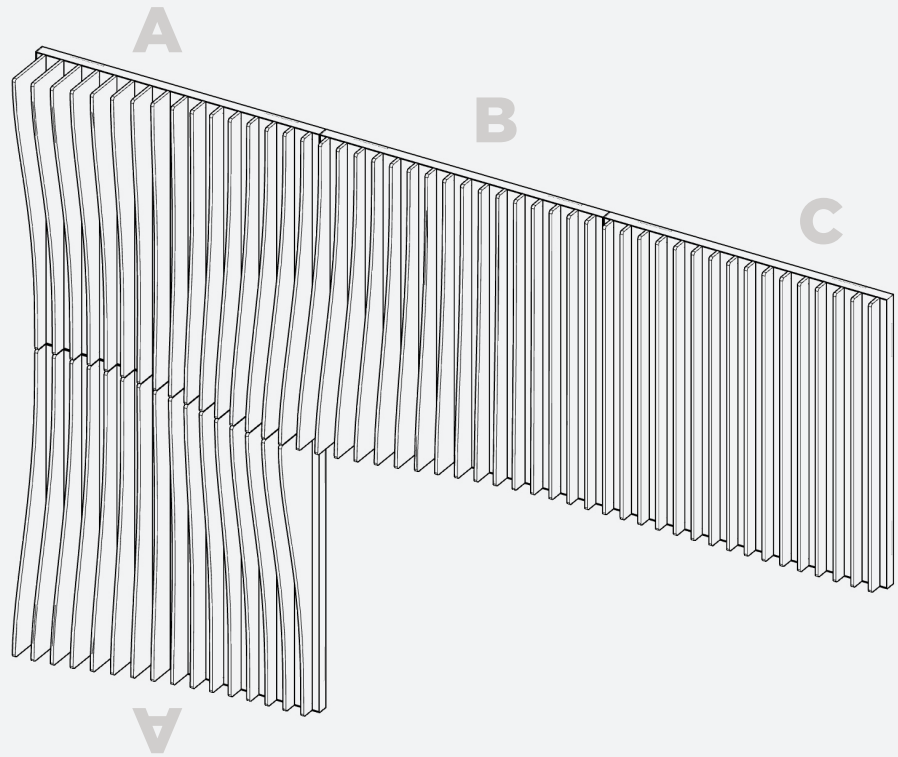
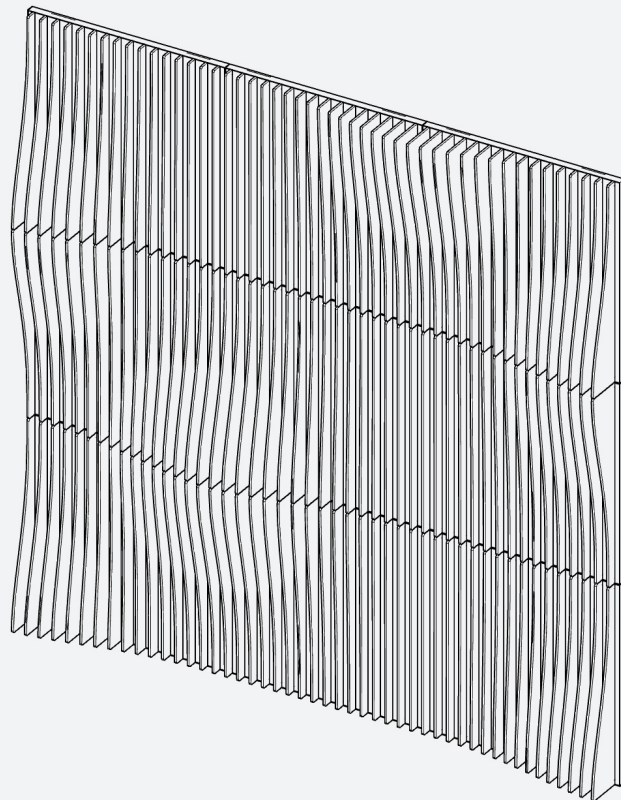


DIAGRAM 4

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



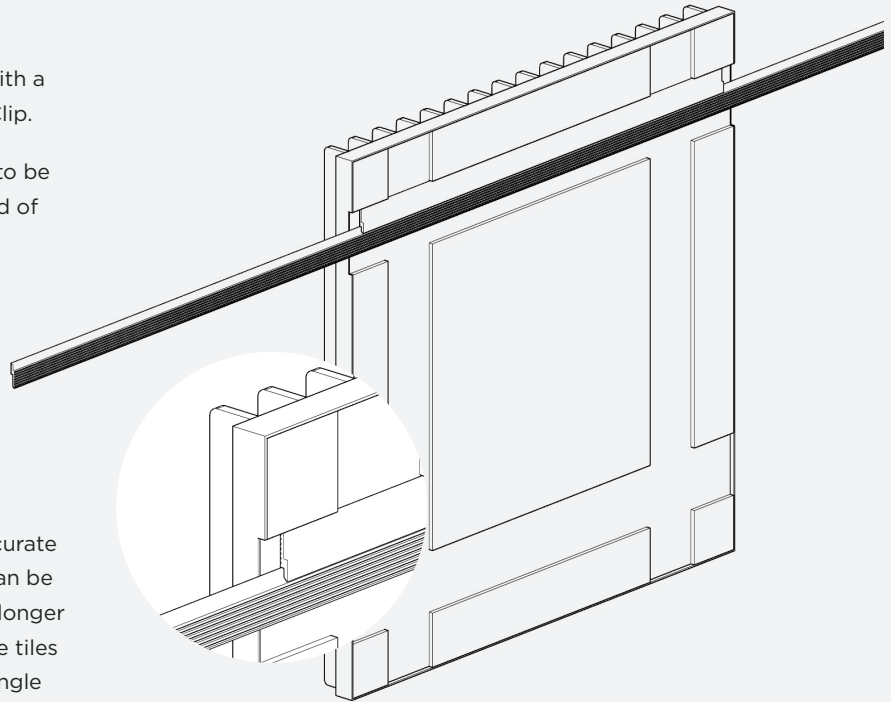
Installation

Wall Mount installation with Z-Clip

DIAGRAM 5

Installation of the Torrent Tiles is easy with a recessed back channel and included Z Clip.

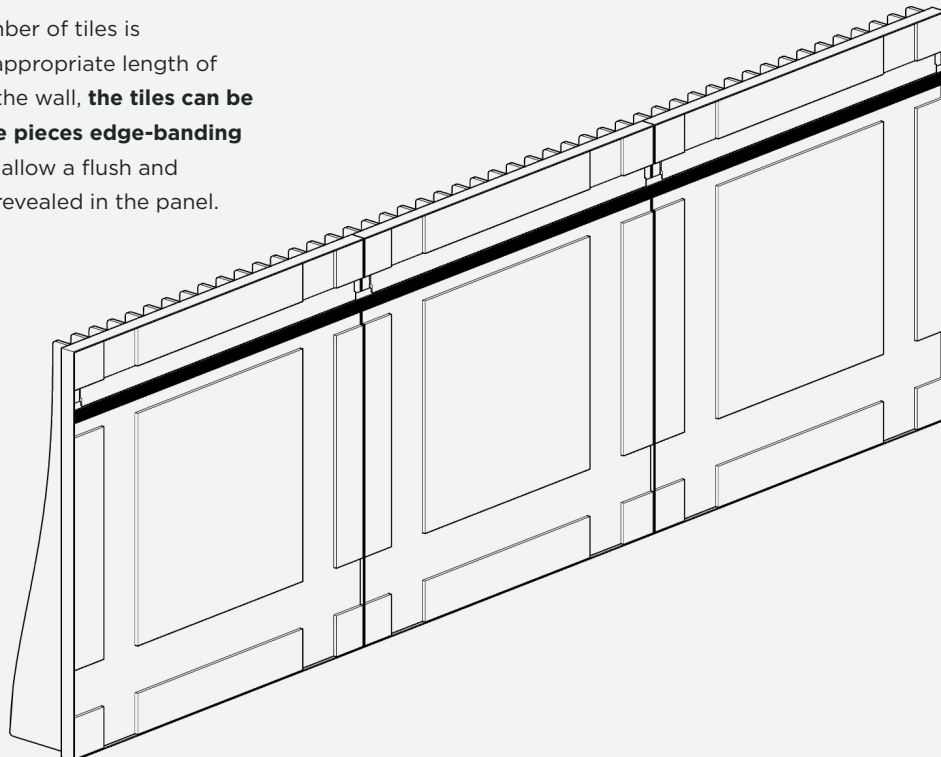
The four routed channels allow the tile to be rotated to all four sides without the need of changing installation process.



To make hanging multiple tiles more accurate and easy, the edge banding of the tile can be trimmed with a utility knife to receive a longer wall mounted Z-Clip. This allows multiple tiles to be mounted and reconfigured on a single piece of wall mounted hardware.

DIAGRAM 6

Once the desired number of tiles is determined, and the appropriate length of Z-Clip is mounted to the wall, **the tiles can be hung with the outside pieces edge-banding left in place.** This will allow a flush and seamless edge to be revealed in the panel.

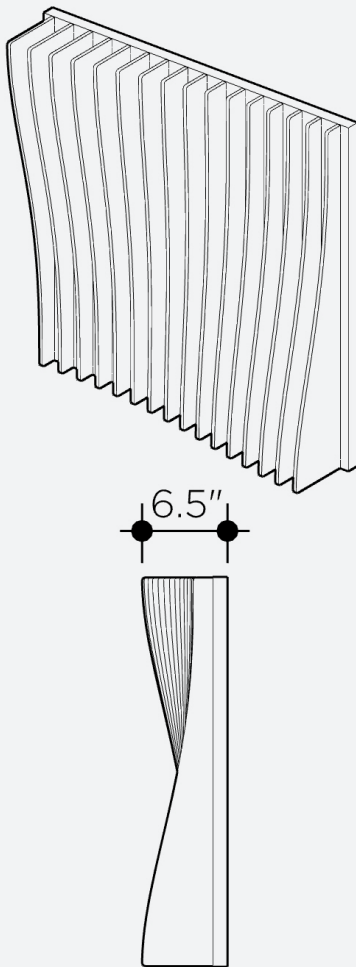


Tile A

1

PERSPECTIVE DETAIL

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



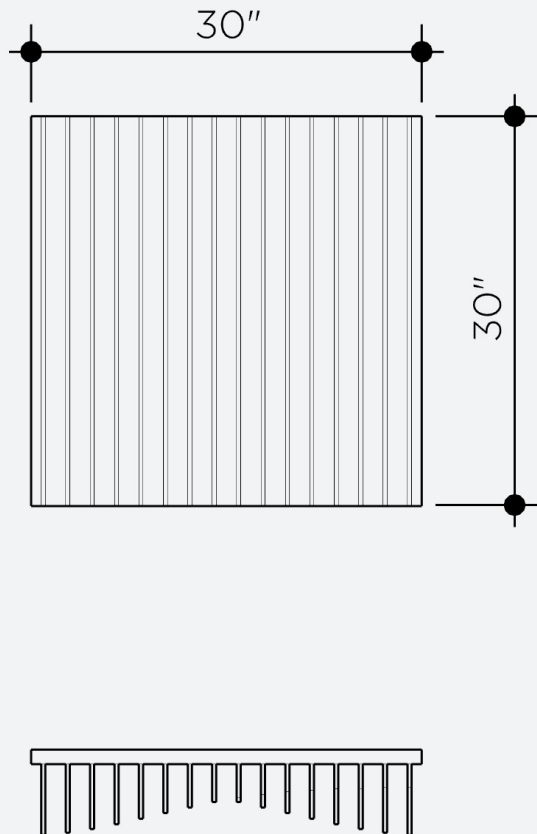
3

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.

2

FRONT ELEVATION DETAIL



4

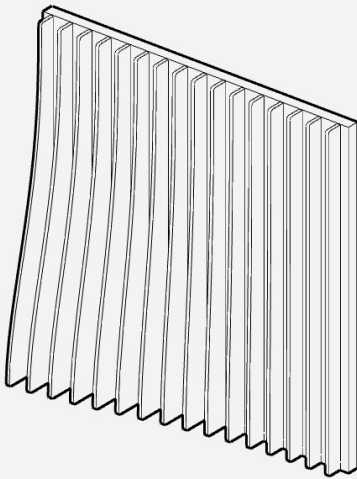
TOP VIEW DETAIL

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.



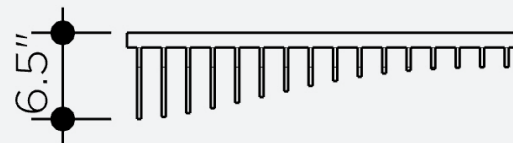
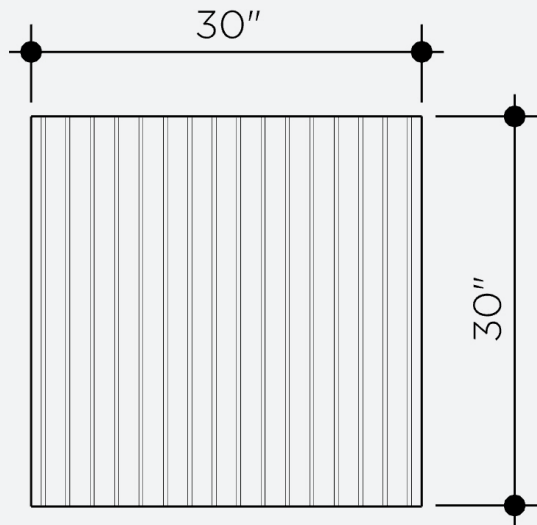
3

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.

2

FRONT ELEVATION DETAIL



4

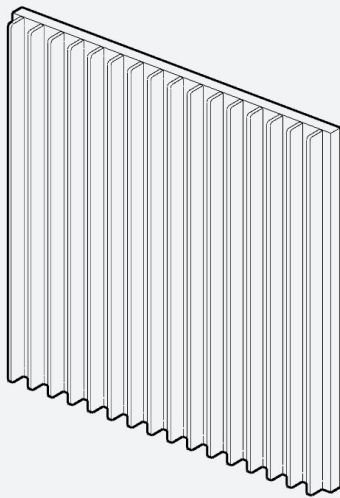
TOP VIEW DETAIL

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.



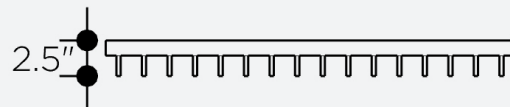
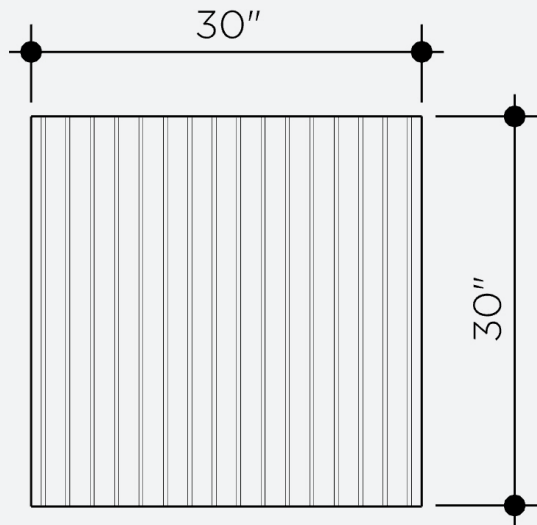
3

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.

2

FRONT ELEVATION DETAIL



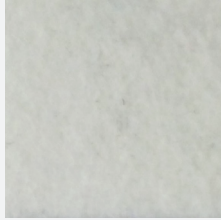
4

TOP VIEW DETAIL

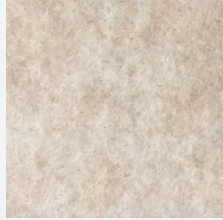
Specifications

PRODUCT NAME	Torrent Tile (patent pending)
CONTENT	99% Recycled Polyester Felt
FELT THICKNESS	9mm
PANEL THICKNESS	1.125"
STANDARD SIZE	30"X 30"
MAXIMUM SIZE	30"X30"
EDGE OPTIONS	Exposed Felt with edge-banded laminated 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	Shipped in 4 weeks.
ENVIRONMENTAL	9mm PET felt board is made from over 99% recycled polyester plastic, over 50% of which come from recycled water bottles. TURF is pursuing product transparency for LEED V4 MR Credit 4 Option 1, and MR Credit 3 Option 2 for recycled content. TURF is pursuing a Declare Label for this product.
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/ Substrate is not.

9MM Felt Colors



5 WHITE



1 CREAM



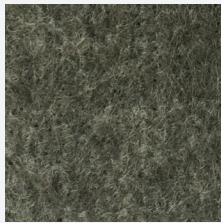
4 LIGHT GREY



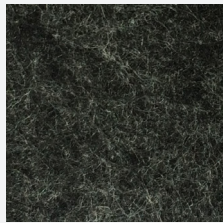
48 LIGHT BROWN



32 BROWN



38 MATTE GREY



6 CHARCOAL



7 BLACK



45 YELLOW



20 MANGO



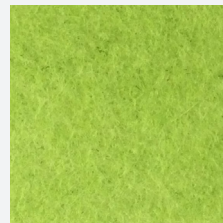
42 ORANGE



16 RED



39 LAVENDER



47 LIME



14 GREEN



25 LIGHT BLUE

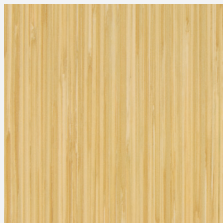


29 DARK BLUE

Substrate Finishes



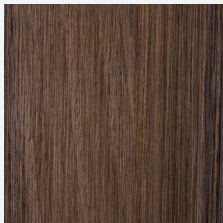
ASH



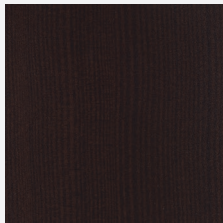
BAMBOO



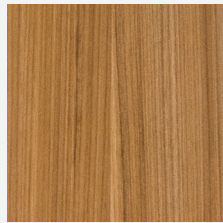
BRUSHED
NICKEL



COCOA



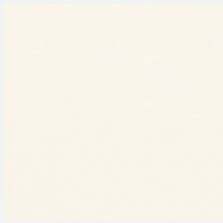
ESPRESSO



HONEY



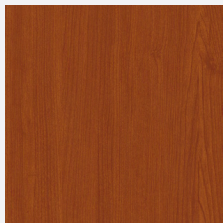
MOCHA



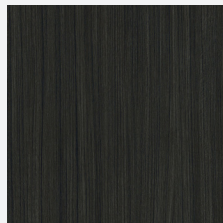
SILK



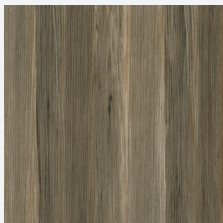
MAPLE



HARVEST
CHERRY



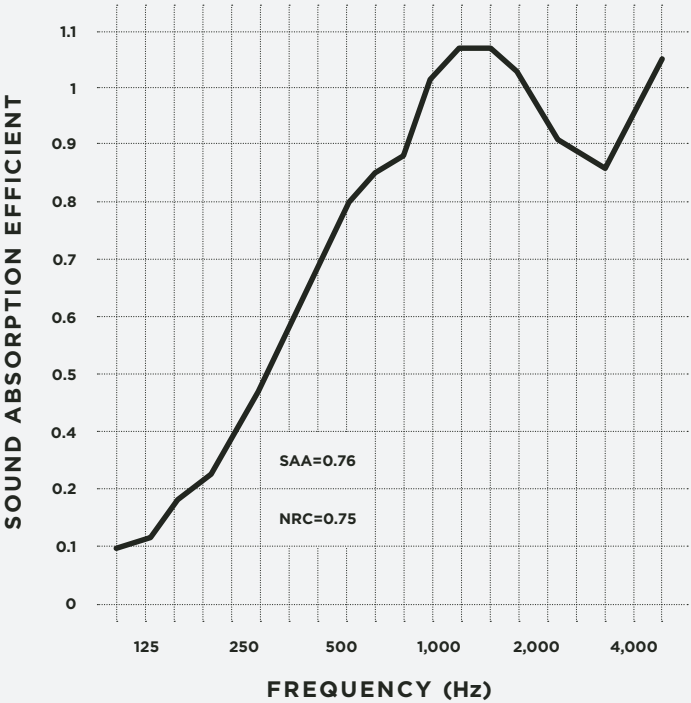
LICORICE



STROMBOLI

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).