Fabrix Catalogue

The new fabric system. Will you weave your adventure with us as we thread into the future?

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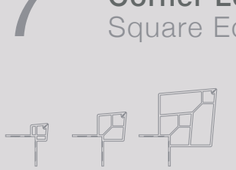
7 **Corner Load** Square Edge  p11

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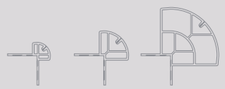
9 **Corner Load** Round Edge  p12

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SingaPlural 2019

Location
National Design Centre, Singapore

Client
Singapore Furniture Industries Council

Architect
TakahashiLim A+D

Acoustic Contractor
Aural-Aid

SingaPlural 2019 draws on evolution in nature to inspire innovation in design. In collaboration with TakahashiLim A+D, Köral™ was created using mathematical principles underlying natural forms.

Like a wavy coral reef, Köral™ is based on hyperbolic geometry; it grows exponentially outwards, creating excessive folds to increase surface area for sound absorption.

To build the skeleton of the sculpture, the tracks were secured onto the 3D-printed joints. Each 3D-printed joint has 6 differently angled slots of the corresponding tracks. An earth-friendly and sustainable acoustic substrate is inserted between the colourful fabric that skins the sculpture.

The result is an experimental collaborative art work that marries striking design, acoustic performance, and innovation.

SingaPlural 2019
National Design Centre, Singapore

Anti-Warp

Fabric with high tensile strength can cause the tracks to warp during installation, which leaves an unsightly mark on the fabric surface. Fabrix tracks have a proprietary Anti-Warp feature that prevents imprinting the fabric surface.

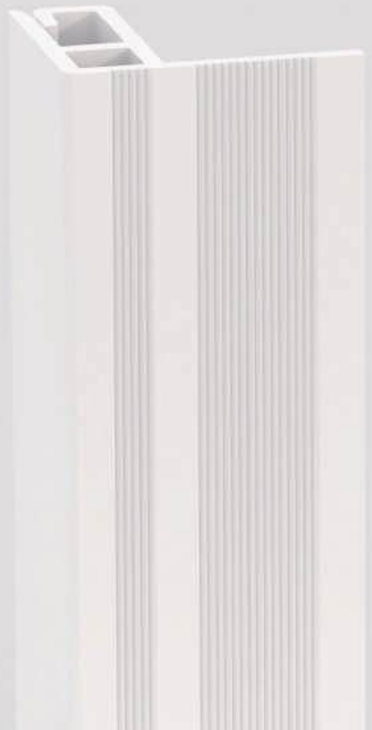
Features

Profiles

Fabrix tracks come in 3 different profiles (square, bevel, and round), 3 different heights (1/2-inch, 1-inch, and 2-inch), and 2 different mechanisms (load and snap). This makes us the largest manufacturer of fabric tracks with the most profiles in the world.

Anti-Slip

The bottom of Fabrix tracks come with the Anti-Slip feature. This signature tactile feature separates the authentic Fabrix tracks from counterfeit versions. The Anti-Slip feature allows adhesives applied to the back of the track to have higher pull-out strength, and prevents excess adhesive from seeping out at the sides.



Mechanism

There are 2 types of mechanisms to secure the fabric with the tracks. The Load Mechanism enables the fabric to sit tightly in between the teeth of the track. The teeth are serrated downwards to keep the fabric from slipping out.

The Snap Mechanism has a flexible polymer hinge that allows the track to open and close its jaws. The fabric sits tightly in between the jaws of the track. Adhesive tape along the track keeps the fabric from slipping out.

Load

Hathaway Restaurant

Location
Block 13 Dempsey Road, Singapore

Client
Hathaway

Designer
Studio Myte

Acoustic Contractor
Aural-Aid

Hathaway restaurant is a quaint establishment found in a quiet corner at Dempsey, Singapore. Like the name, their menu seeks to capture the context of our time and place through the lens of modern asian cuisine.

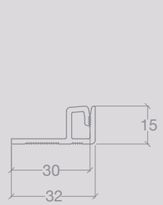
The pillars and beams of the restaurant are cladded with 1-inch Fabrix. The acoustical substrate reduces echoes in the restaurant to make dining a more comfortable experience.

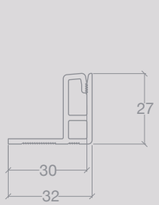
A new type of Fabrix profile, SL 27S - Side Load, 27mm Height, Square Profile, was used to build the curved panels to match the round wall-cabinets for placing the liquor and beverages.

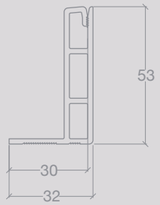
The fabric range Beverly in Thistle colour was selected by the client to match their interiors. Rather than reflecting sound our acoustically -transparent fabrics allow sound to pass through to be absorbed by the insulation underneath it.

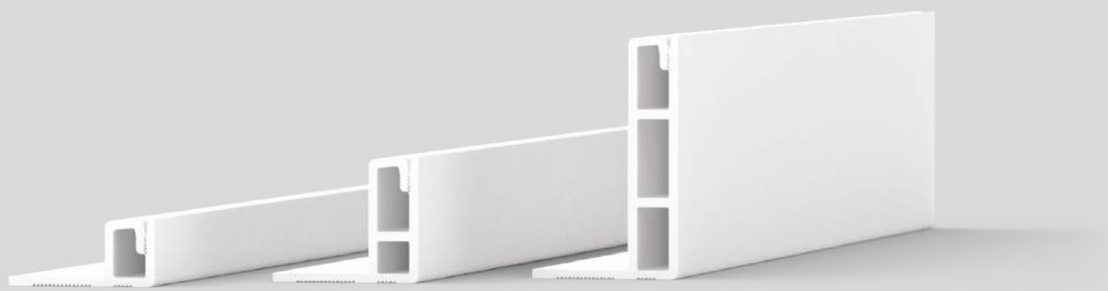
Hathaway Restaurant
Block 13 Dempsey Road, Singapore

1 Mid Load
Square Edge

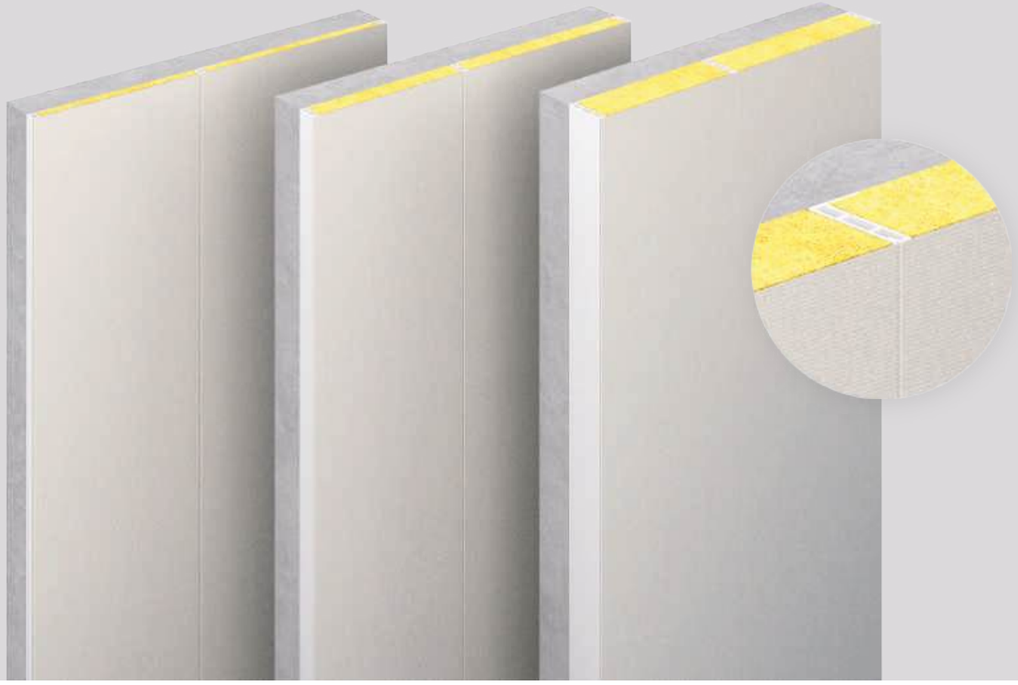








ML 15S ML 27S ML 53S



Mid Load

The mid load range joins the fabric to create a seam. The fabric sits tightly in between the teeth of the track. The teeth are serrated downwards to keep the fabric from slipping out. The track features an anti-warp feature to prevent an imprint on the fabric, and also an anti-slip feature to adhere better to surfaces. Taller tracks have additional support structures added to reinforce stability.

Installation

1

Apply adhesive onto the bottom surface of the tracks and screw or nail them onto the wall. Mitre cut the ends of the tracks that meet adjacent tracks at an angle.

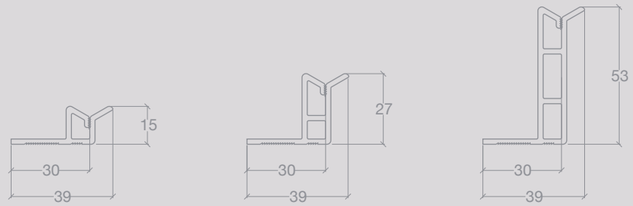
2

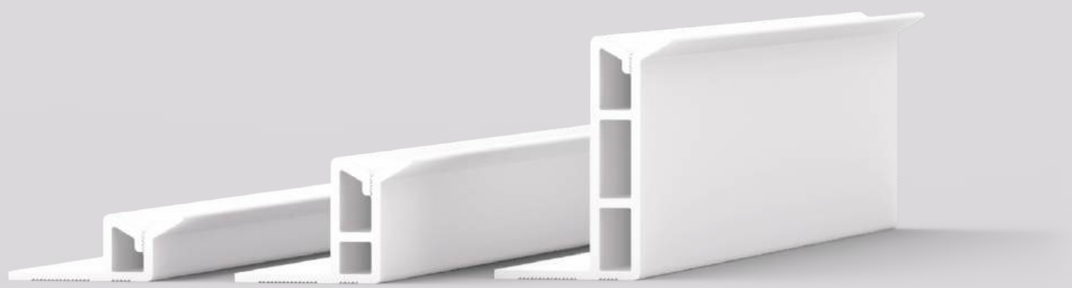
Install mineral infill or acoustic foam within the areas encased by the tracks. Secure the infill or foam with screws, spindle pins, or adhesives.

3

Install the fabric into the teeth of the track with a mallet and putty knife. Trim off the excess fabric and tuck in any loose fabric or thread.

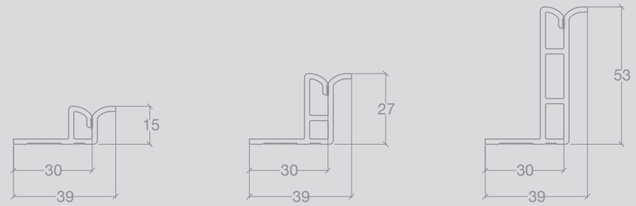
2 Mid Load
Bevel Edge

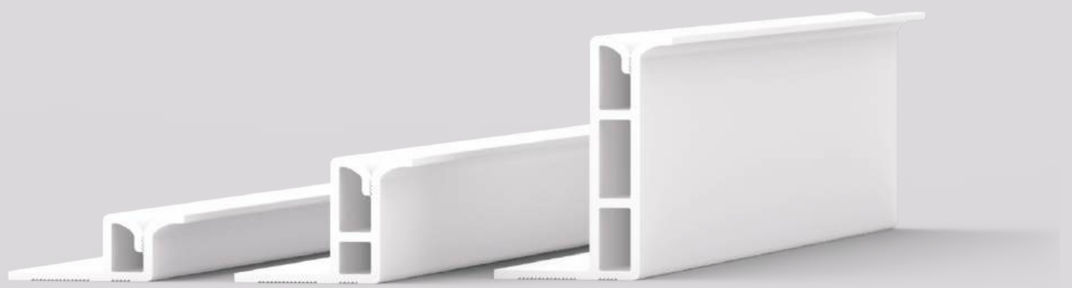




ML 15B ML 27B ML 53B

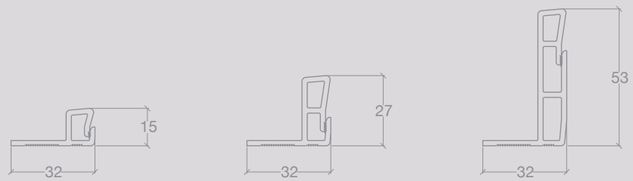
3 Mid Load
Round Edge

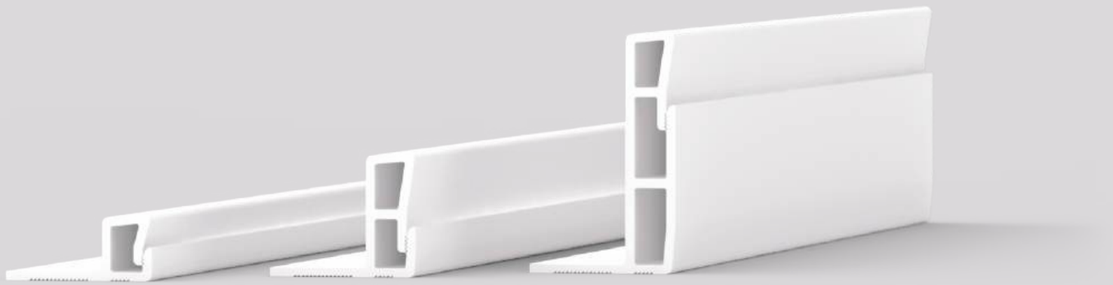




ML 15R ML 27R ML 53R

4 Edge Load
Square Edge





EL 15S EL 27S EL 53S

Edge Load

The edge load range terminates the fabric at perimeters. The fabric sits tightly in between the teeth of the track. The teeth are serrated downwards to keep the fabric from slipping out. The track features an anti-warp feature to prevent an imprint on the fabric, and also an anti-slip feature to adhere better to surfaces. Taller tracks have additional support structures added to reinforce stability.

Installation

1

Apply adhesive onto the bottom surface of the tracks and screw or nail them onto the wall. Mitre cut the ends of the tracks that meet adjacent tracks at an angle.

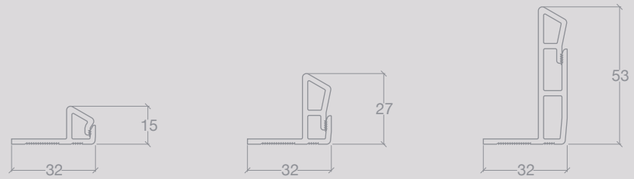
2

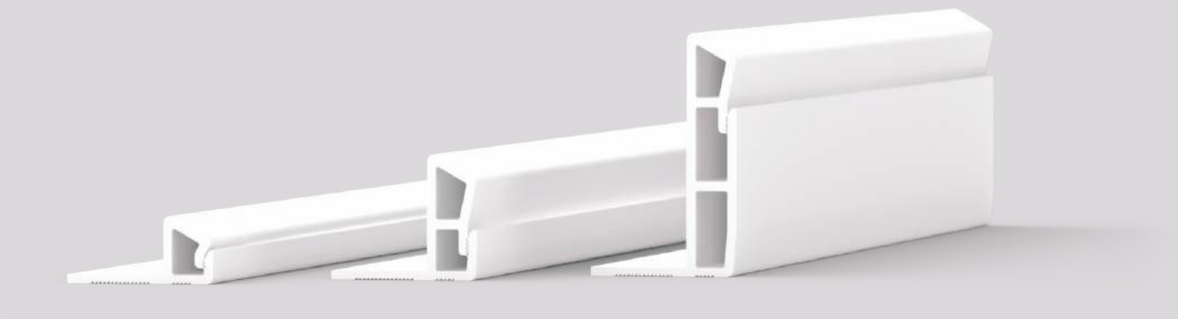
Install mineral infill or acoustic foam within the areas encased by the tracks. Secure the infill or foam with screws, spindle pins, or adhesives.

3

Install the fabric into the teeth of the track with a mallet and putty knife. Trim off the excess fabric and tuck in any loose fabric or thread.

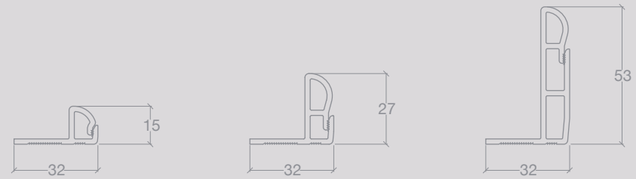
5 Edge Load
Bevel Edge

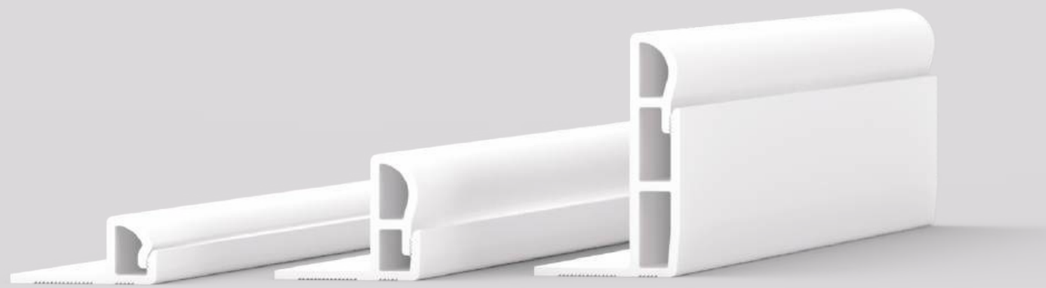




EL 15B EL 27B EL 53B

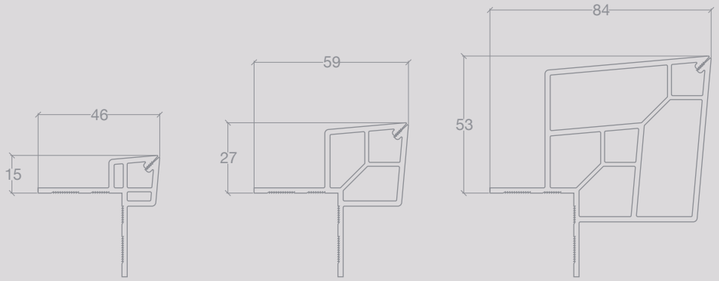
6 Edge Load
Round Edge

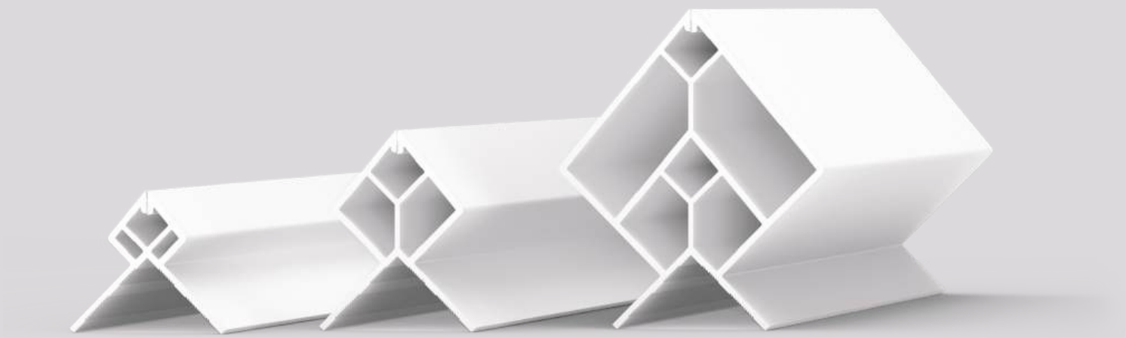




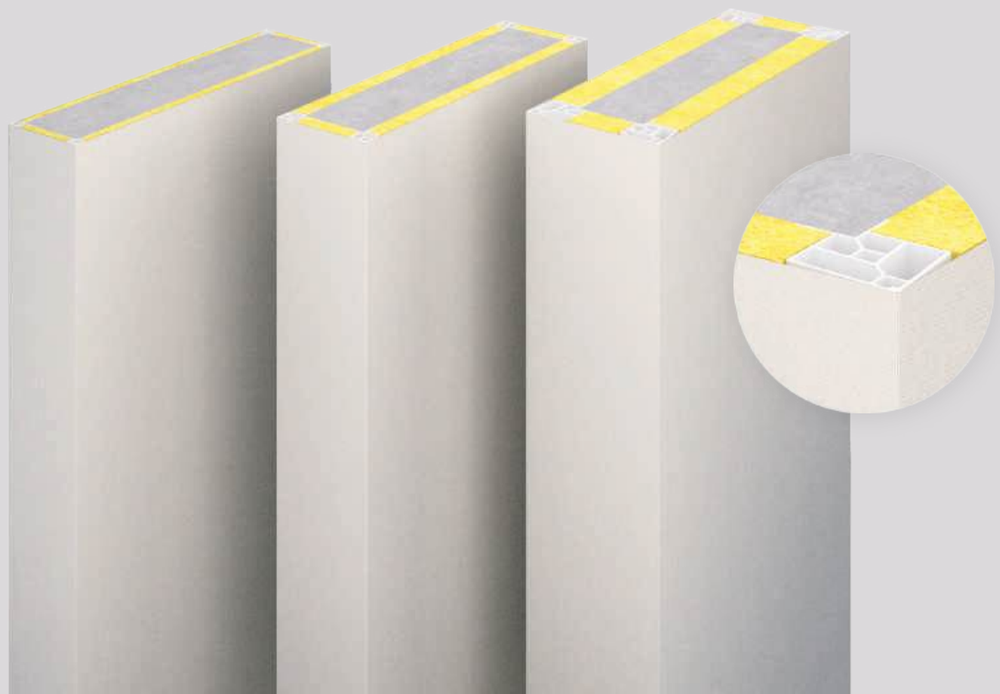
EL 15R EL 27R EL 53R

7 Corner Load
Square Edge





CL 15S CL 27S CL 53S



Corner Load

The corner load range joins the fabric at outside corners. The fabric sits tightly in between the teeth of the track. The teeth are serrated downwards to keep the fabric from slipping out. The track features an anti-warp feature to prevent an imprint on the fabric, and also an anti-slip feature to adhere better to surfaces. Taller tracks have additional support structures added to reinforce stability.

Installation

1

Apply adhesive onto the bottom surface of the tracks and screw or nail them onto the wall. Mitre cut the ends of the tracks that meet adjacent tracks at an angle.

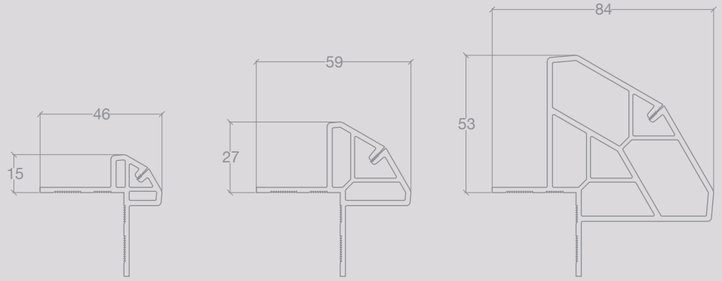
2

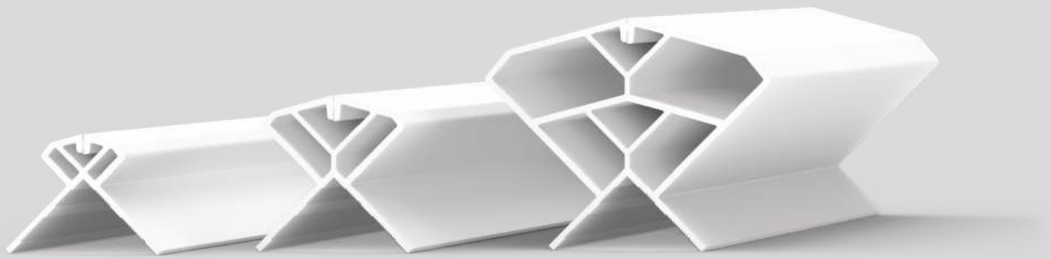
Install mineral infill or acoustic foam within the areas encased by the tracks. Secure the infill or foam with screws, spindle pins, or adhesives.

3

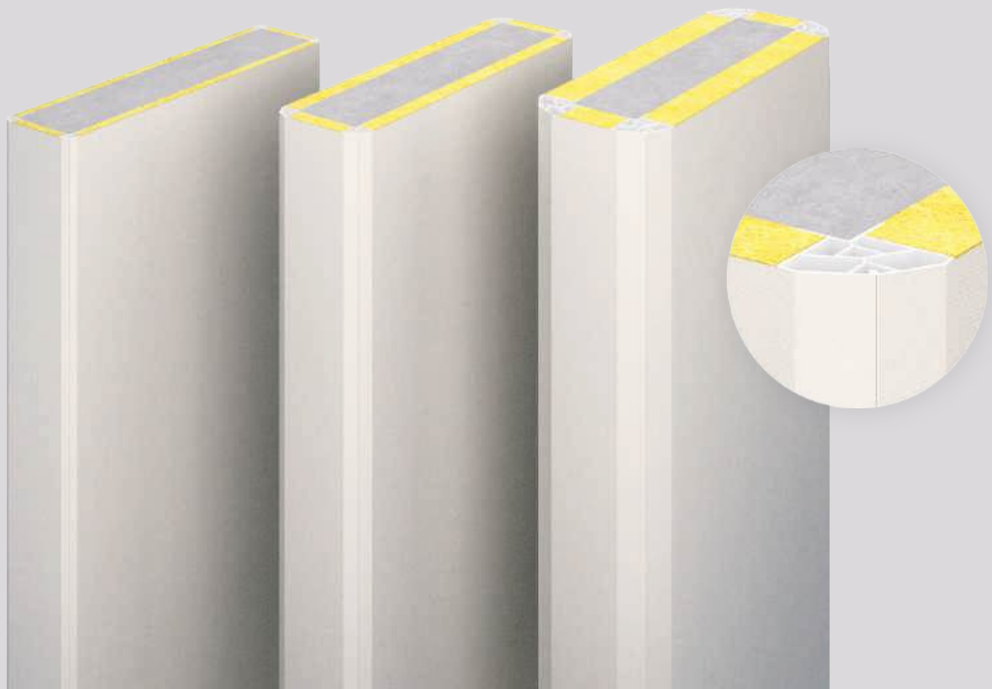
Install the fabric into the teeth of the track with a mallet and putty knife. Trim off the excess fabric and tuck in any loose fabric or thread.

8 Corner Load
Bevel Edge

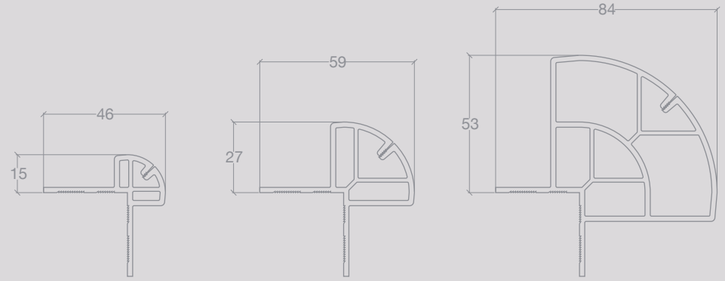


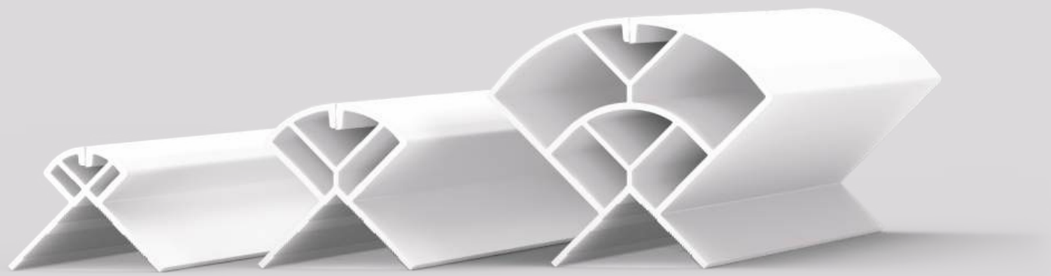


CL 15B CL 27B CL 53B

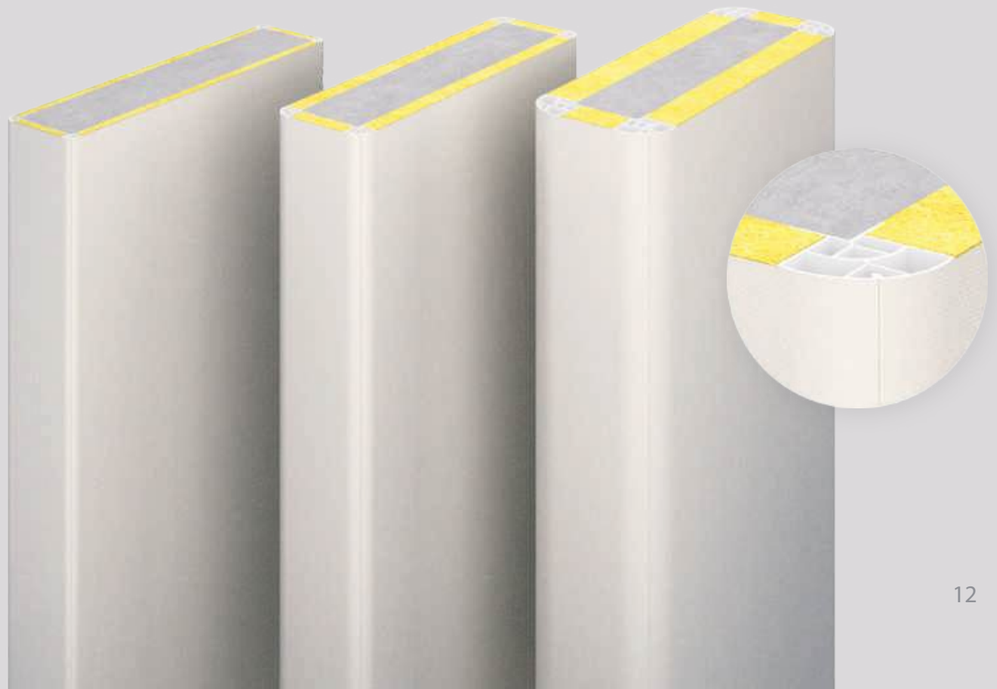


9 Corner Load
Round Edge





CL 15R CL 27R CL 53R



Snap

High Park Residences

Location
27 Fernvale Road, Singapore

Client
High Park Residences

Architect
P&T Consultants

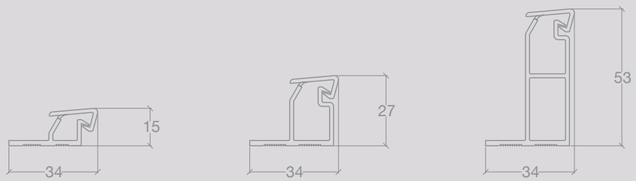
Acoustic Contractor
Aural-Aid

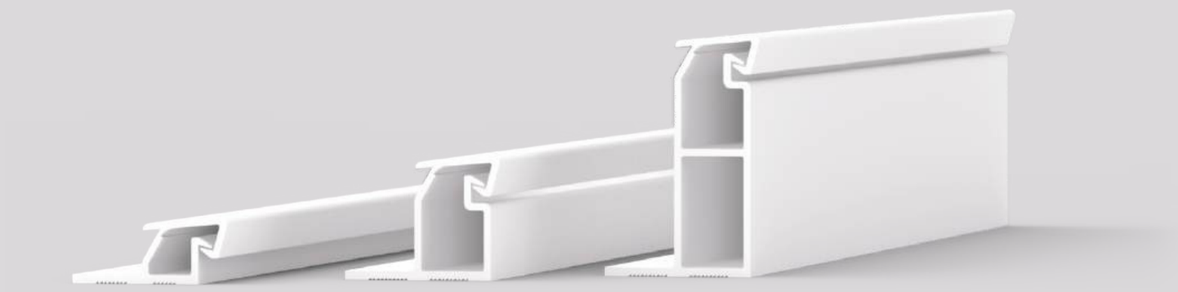
High Park Residences is a Condo Development located at Fernvale Road in District 19. It comprises 14 towers with 1390 residential & 9 commercial units and stands 25 storeys tall.

Fabrix is installed for High Park Residences in the jamming room and three indoor theatrettes to promote a better sound stage.

Piano keys are used as the design motive for the fabric system. Fabrix profiles ML 27S (Mid Load, 27mm Height, Square Profile), and EL 27S (Edge Load, 27mm Height, Square Profile) are used to clad the walls where a “dead-end” is preferred.

10 Edge Snap
Square Edge





ES 15S ES 27S ES 53S

Edge Snap

The edge snap range terminates the fabric at perimeters. The fabric sits tightly in between the teeth of the track. Adhesive tape along the track keeps the fabric from slipping out. The track features an anti-warp feature to prevent an imprint on the fabric, and also an anti-slip feature to adhere better to surfaces. Taller tracks have additional support structures added to reinforce stability.

Installation

1

Apply adhesive onto the bottom surface of the tracks and screw or nail them onto the wall. Mitre cut the ends of the tracks that meet adjacent tracks at an angle.

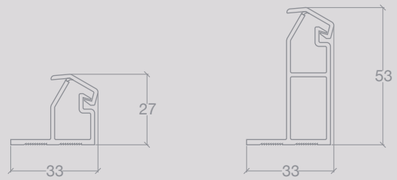
2

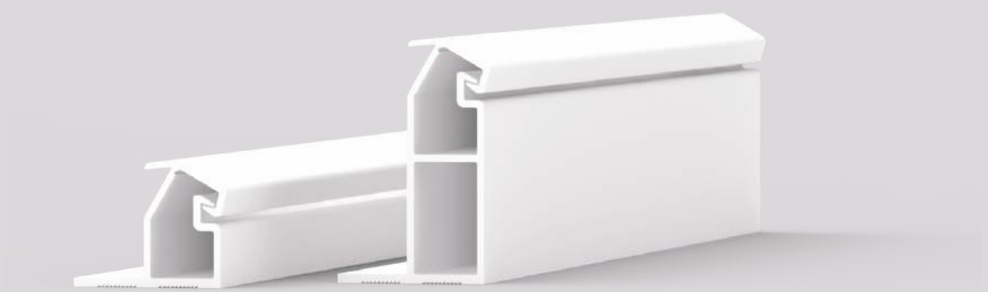
Install mineral infill or acoustic foam within the areas encased by the tracks. Secure the infill or foam with screws, spindle pins, or adhesives.

3

Install the fabric into the teeth of the track with a mallet and putty knife. Trim off the excess fabric and tuck in any loose fabric or thread.

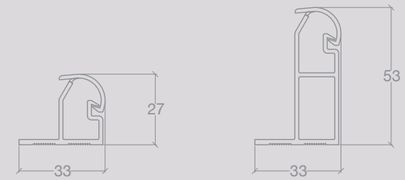
11 Edge Snap
Bevel Edge

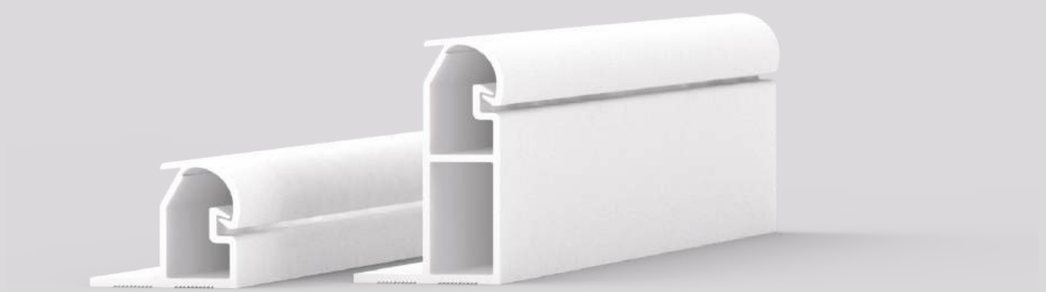




ES 27B ES 53B

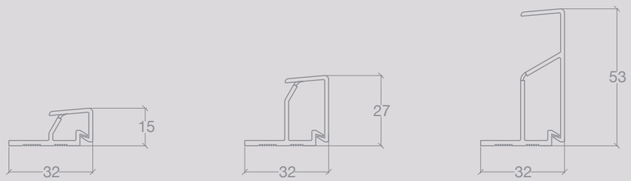
12 Edge Snap
Round Edge

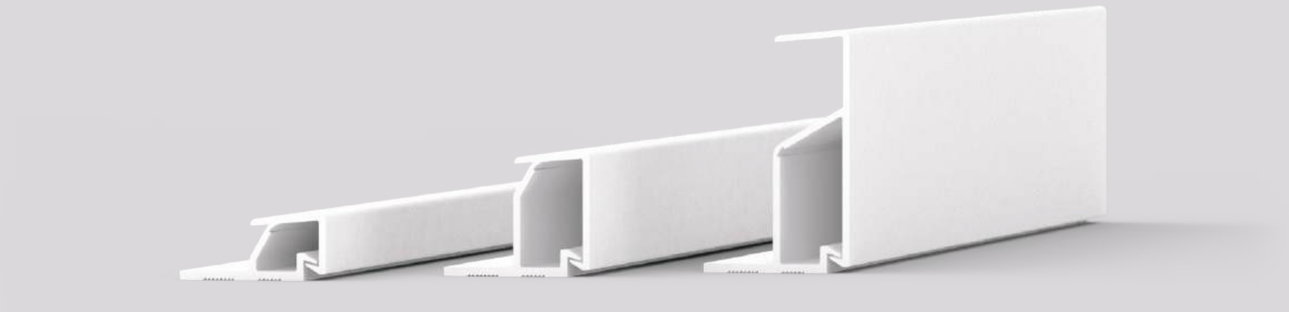




ES 27R ES 53R

13 Side Snap
Square Edge





SS 15S SS 27S SS 53S

Side Snap

The side snap range terminates the fabric before perimeters. The fabric sits tightly in between the teeth of the track. Adhesive tape along the track keeps the fabric from slipping out. The track features an anti-warp feature to prevent an imprint on the fabric, and also an anti-slip feature to adhere better to surfaces. Taller tracks have additional support structures added to reinforce stability.

Installation

1

Apply adhesive onto the bottom surface of the tracks and screw or nail them onto the wall. Mitre cut the ends of the tracks that meet adjacent tracks at an angle.

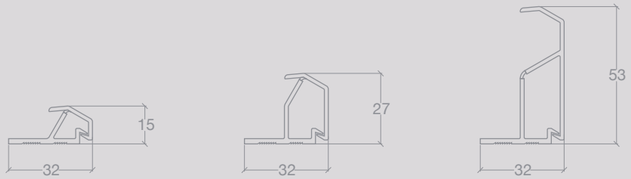
2

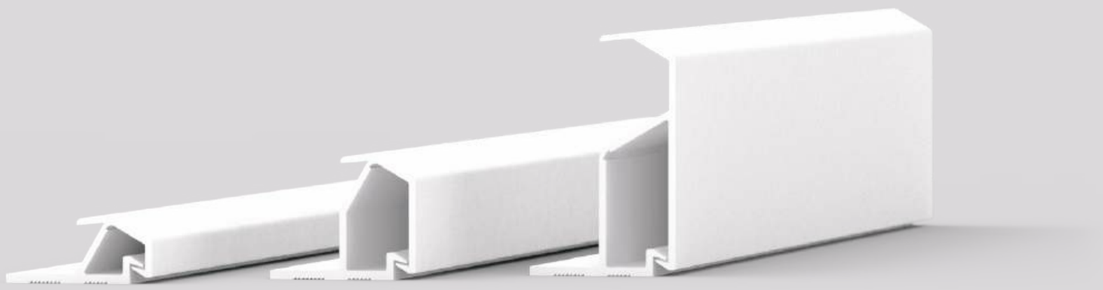
Install mineral infill or acoustic foam within the areas encased by the tracks. Secure the infill or foam with screws, spindle pins, or adhesives.

3

Snap the track open and stick the fabric to the adhesive tape. Tuck the fabric into the cavity with a putty knife and snap the track close.

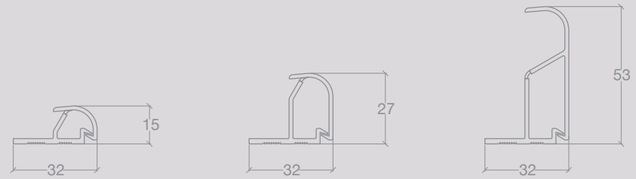
14 Side Snap
Bevel Edge

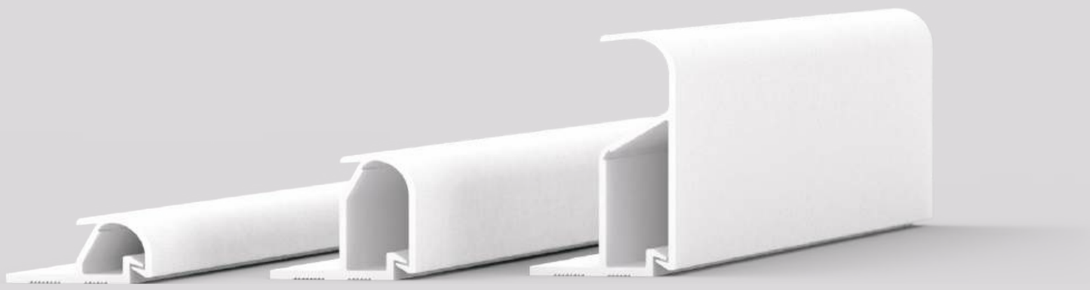




SS 15B SS 27B SS 53B

15 Side Snap
Round Edge





SS 15R SS 27R SS 53R

Modular

Druce & Co

Location
Suntec City, Singapore

Client
Druce & Co

Designer
Earnest Designer & Project

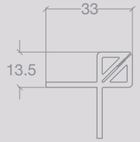
Acoustic Contractor
Aural-Aid

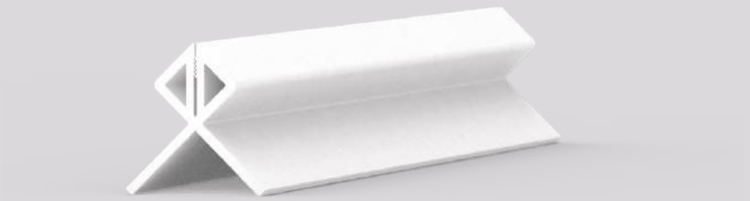
Druce & Co Pte. Ltd. is a real estate agency specialising in brokering and managing real estate investments.

The Singapore headquarters opened its doors in July 2022, and they are located in Suntec City Tower 3.

The acoustics of the space was designed to meet both noise criterion levels and RT60 targets. Fabrix profiles ML 27S (Mid Load, 27mm Height, Square Profile), EL 27S (Edge Load, 27mm Height, Square Profile) and SS 27S (Side Snap, 27mm Height, Square Profile) were used in the construction of the fabric acoustic cladding.

Druce & Co
Suntec City Tower 3, Singapore





XL 12S

Modular Corner Load

The modular corner load joins the fabric at outside corners. The fabric sits tightly in between the teeth of the track. The teeth are serrated downwards to keep the fabric from slipping out. The track features an anti-warp feature to prevent an imprint on the fabric, and also an anti-slip feature to adhere better to surfaces.

Installation

1

Measure and cut the plywood frame of the acoustic panel to the desired size. Arrange them to butt join with a small gap in between.

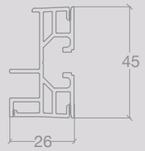
2

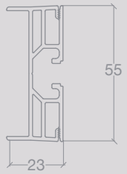
Measure and cut the track to the same width as the frame. Insert the track into the butt join gap and secure with screws.

3

Wrap a piece of fabric over the acoustic panel. Gently tuck the fabric at the corners into the teeth of the track with a mallet and putty knife.

17 Modular
Multi Load





XL 45S

PL 55S

Modular Multi Load

The modular multi load houses all the components required to make an acoustic panel or baffle. To construct it, an MDF board is inserted into the track as the base of the panel. Mineral infill or acoustic foam is then installed onto the MDF board. Lastly, the fabric is secured into the teeth of the track. Accessories such as z-clip can be used to hang on the wall, and rhombus nut with threaded rod can be used to hang on the ceiling as a cloud or baffle.

Installation

1

Cut the tracks to size and form the frame of the acoustic panel or baffle. Insert a 9mm MDF board into the frame to form the base structure.

2

Install mineral infill or acoustic foam onto the MDF board within the frame. Secure the infill or foam with screws or adhesive onto the MDF board

3

Wrap a piece of fabric over the frame. Gently tuck the fabric into the teeth of the track with a mallet and putty knife. Wrap both faces with fabric to make a baffle.

Where do I install this?

Edge Load
or
Edge Snap

Edge Load and Edge Snap are used at the perimeters during installation. If no gap between the adjacent surface and the fabric panel is necessary, Edge Snap should be used (e.g. where the fabric panel meets an ornamental trim, no gap is preferred).

Mid Load

Mid Load is installed to join 2 pieces of fabric to create a seam. The distance between each Mid Load should not exceed the maximum width of the fabric.

Side Snap

Side Snap is used when the edge of the fabric panel is visible. It is used around windows, doors, or skirtings.

Corner Load

Corner Load is installed for outside corners of a wall. It gives the outside corner of a wall a mitre joint.

Versatility

Buckminster Collaboration Space

Location
8 Somapah Road, Singapore

Client
Singapore University of Technology and Design (SUTD)

Architect
DP Architects Pte. Ltd.
UNStudio

Main Contractor
Visual Spaces Pte. Ltd.

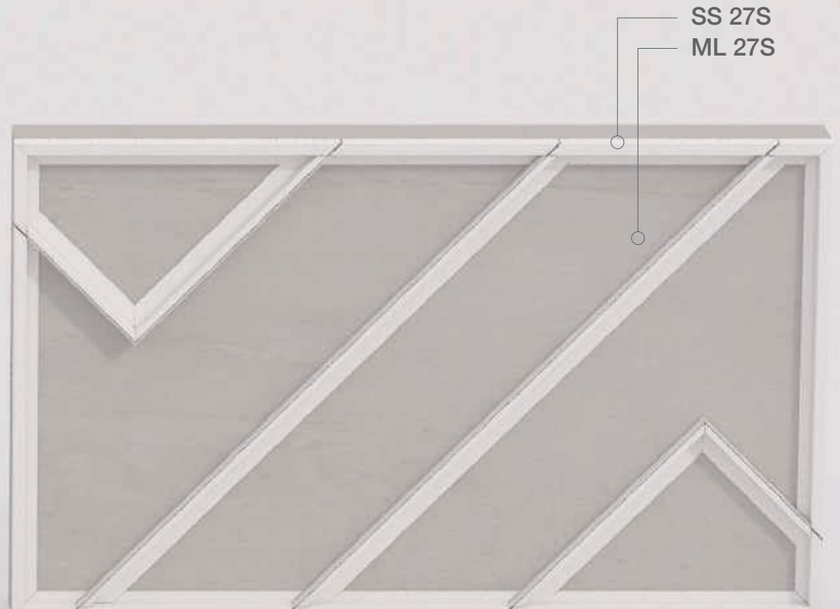
The Singapore University of Technology and Design (SUTD) is the fourth autonomous university to be established in Singapore.

The campus opened in January 2015, is located near the Changi Business Park, and is served by Upper Changi Station on the Downtown MRT Line. The Buckminister Collaboration Space was refurnished in 2016.

The acoustics of the space was designed to reduce echoes and reverberations so that students and teachers could have intelligible conversations. Fabrix profiles ML 27S (Mid Load, 27mm Height, Square Profile), and EL 27S (Edge Load, 27mm Height, Square Profile) were used in the construction of the acoustic panels for both the walls and ceiling.

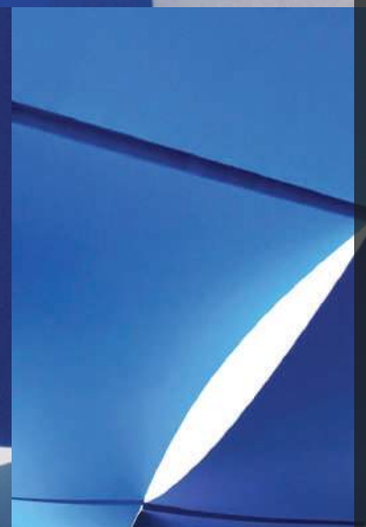
Buckminster Collaboration Space
8 Somapah Road, Singapore

Fabrix tracks can be installed on a curve surface, such as a round wall or a pillar. The tracks are cut intermittently with a small spacing in-between to allow for bending on convex and concave surfaces (e.g an ML 27S used for a convex surface and a CL 27S used for an outside corner).



Many designs and patterns can be achieved with Fabrix. The tracks can be installed to any design intent on walls, ceilings, and pillars. 3D shapes and patterns can also be implemented with different height tracks (e.g an ML 27S used for a diagonal pattern and an SS 27S used for wrapping the perimeters).

The Great Wave off Kanagawa
Aural-Aid HQ, Singapore



The Great Wave

Location
Aural-Aid HQ, Singapore

Architect
Simon Rocknathan

Consultant
AntiCAD

Main Contractor
G&H Renovation Pte Ltd

This ceiling project showcases the ability of a curved fabric system using Fabrix™, inspired by Hokusai's famous wood-block print, "The Great Wave off Kanagawa".

Fabrix™ was used to form three-dimensionally curved surfaces, to emulate the undulating tidal surface of the ocean waves. 3 shades of blue fabric were hand-selected to represent the colours of the ocean.

ML 27S tracks are cut intermittently with a small spacing in-between to allow for bending on convex and concave surfaces. The waves emulate the ebb and flow of ocean waves.

Care & Warranty

Care and Maintenance
Fabrix is manufactured to the highest standards and are designed to offer excellent performance and longevity. Most fabrics can be cleaned using a lint roller. All fabrics should be maintained by following the manufacturer's care and maintenance instructions.

Lifetime Warranty
All products are warranted against material and workmanship defects. Fabrix remains in good condition unless damaged by unofficial installation methods, mechanical impact or unfavourable environmental factors. To learn more about our Lifetime Warranty, visit www.fabrix.com/warranty.

Archwey

Location
6 Battery Road, Singapore

Client
Archwey, Singapore

Main Contractor
FM + Assoc. Design

Acoustic Contractor
Aural-Aid Pte. Ltd.

Archwey is the holding group of three companies that are changing the game when it comes to innovative means of reusing and reducing plastic waste: Arch & Hook, Shieldler and PlasticBean.

The sustainable materials engineering company officially launched its global headquarters in Singapore in July 2022. Fabrix was shortlisted by FMAD to achieve the required reverberation time.

The walls and ceilings of the meeting rooms and director rooms were cladded with Fabric to achieve better speech intelligibility and create a productive discussion environment. Fabrix profiles ML 27S (Mid Load, 27mm Height, Square Profile), ES 27S (Edge Snap, 27mm Height, Square Profile) and EL 27S (Edge Load, 27mm Height, Square Profile) were used in the construction of the acoustic panels.

Archwey
6 Battery Road, Singapore

Specifications

Profile: Square, Bevel, Round
Mechanism: Load, Snap
Material: Polymer
Standard Dimension: 2000mmL
Standard Thickness: 2mm

- Toxicity Emission Test : BS 6853 Annex B = R < 1.0
- Reaction to Fire Test: EN 13823 = s1, d0
- Ignitability Test: EN 11925-2 = Fs ≤ 150mm in 60s
- Fire Classification Test: EN 13501-1 = Class B s1, d0
- Acoustics Test: ASTM C423-09a = NRC 0.75 - 1.00 with 25mm and 50mm fiberglass wool

Absorption NRC

Test Method

The results are based on Fabrix filled with 25mm and 50mm fiberglass wool substrate. The specimen was tested in accordance with the American Society for Testing and Materials designation ASTM C423-09a, "Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method".

Fabrix with 25mm Fiberglass Wool
NRC = 0.75

Sound Absorption Frequency Graph

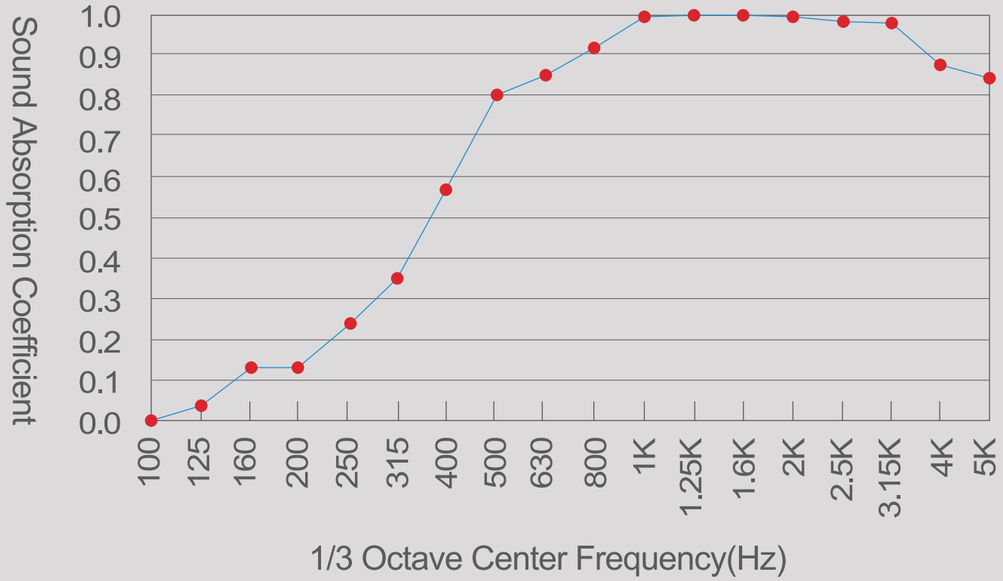


Fig 1. SAC using 25mm thick fiberglass insulation of density 96kg/m^3

Fabrix with 50mm Fiberglass Wool
NRC = 1.0

Sound Absorption Frequency Graph

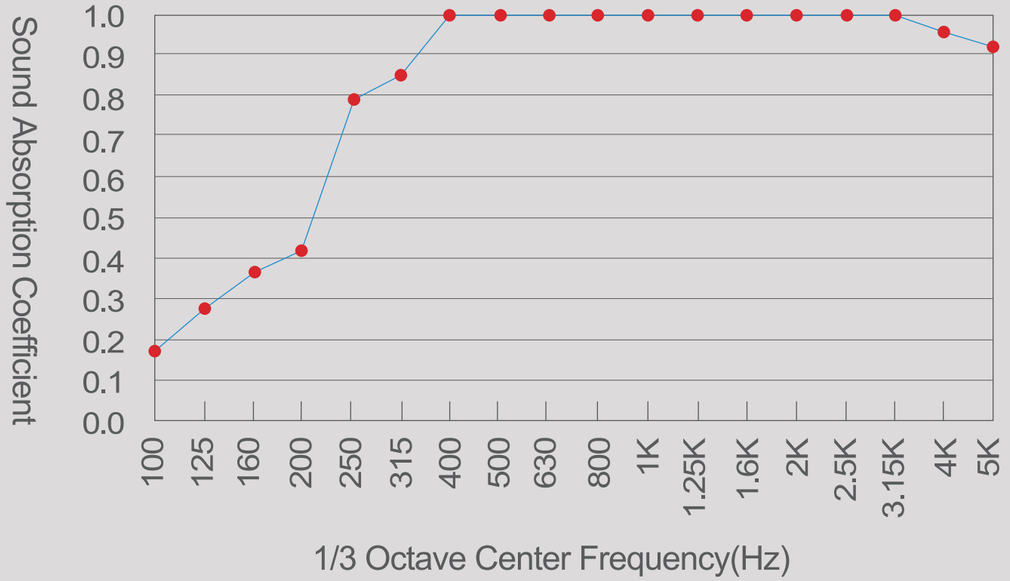


Fig 2. SAC using 50mm thick fiberglass insulation of density 64kg/m^3