Fabrix Catalogue

AntiCAD Pte. Ltd. www.fabrixwall.com hello@fabrixwall.com

CONTENTS

***Scape Theatre**

Location
2 Orchard Link, Singapore

Client
Ministry of Culture, Community and Youth

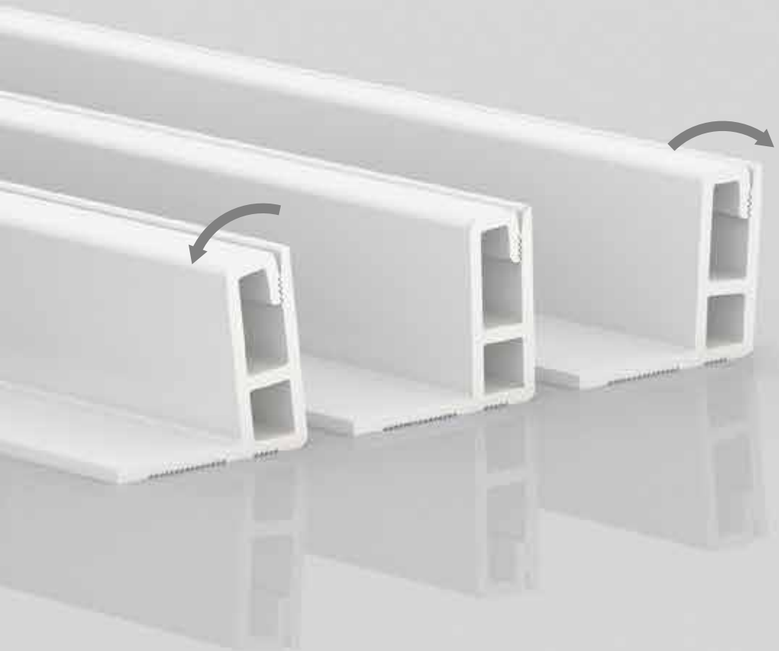
Architect
RSP Architects Planners & Engineers Pte Ltd

Main Contractor
Gennal Industries Pte. Ltd.

In January 2006, the Ministry of Community, Youth & Sports (MCYS) established *SCAPE Co. Ltd, a non-profit organization, to make the *SCAPE dream a reality for young people. The *SCAPE Theatre was built in 2015 to promote the visual arts culture in Singapore amongst youth.

The acoustics of the theatre was desiged to achieve an RT60 time between 1.2-1.5 seconds. Fabrix profile SS 27S (Side Snap, 27mm Height, Square Profile), was used to create the facted acoustic panels that clad the walls of the screening room.

***Scape Theatre**
2 Orchard Link, 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

Lee Kong Chian Lecture Theatre

Location
50 Nanyang Ave, Singapore

Client
Nanyang Technological University

Architect
SQFT Architects

Main Contractor
Soon Lee Pte. Ltd.

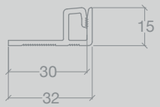
The Nanyang Technological University (NTU) is an autonomous research university in Singapore established in 1955.

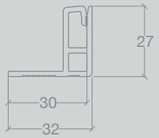
The Lee Kong Chian Lecture Theatre was built in honour of Dr Lee Kong Chian, who was a prominent Chinese businessman and philanthropist active in Malaya and Singapore from the 1930s to the 1960s. The lecture theatre was refurbished in 2018.

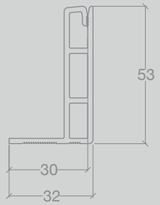
The acoustics of the lecture theatre was designed to promote speech intelligibility amongst professors and students. Fabrix profiles ML 27S (Mid Load, 27mm Height, Square Profile), EL 27S (Edge Load, 27mm Height, Square Profile) and SS 27S (Side Snap, 27mm Height, Square Profile) were used in the construction of the fabric acoustic cladding on the walls of the lecture theatre.

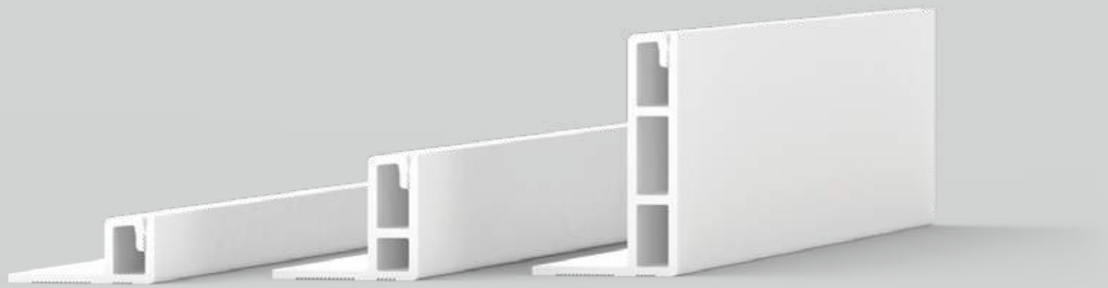
Lee Kong Chian Lecture Theatre
50 Nanyang Ave, Singapore

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.

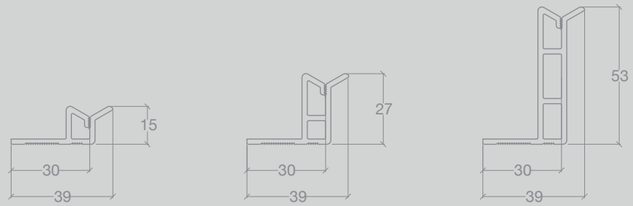
2

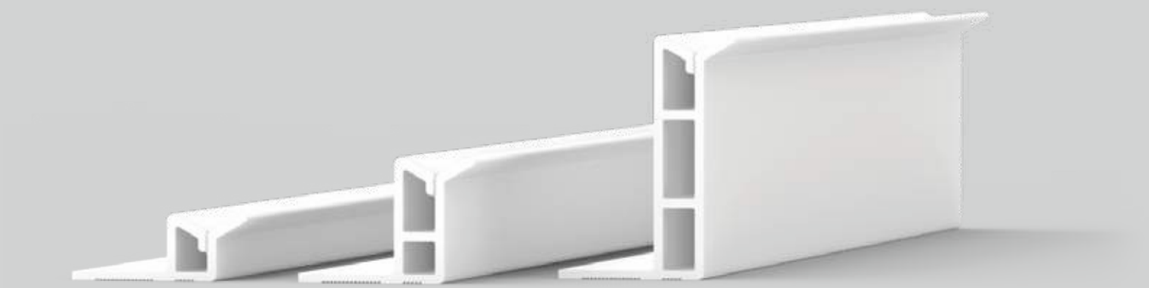
Install mineral infill or acoustic foam within the areas encased by the tracks. Secure the infill or foam with screws, spindle pins, or adhesives.

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.

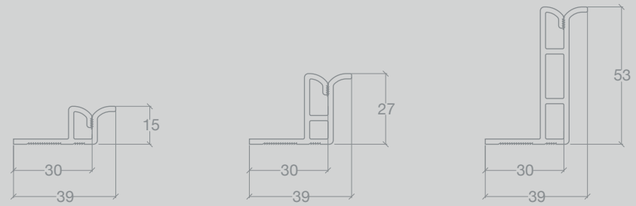
2 Mid Load
Bevel Edge

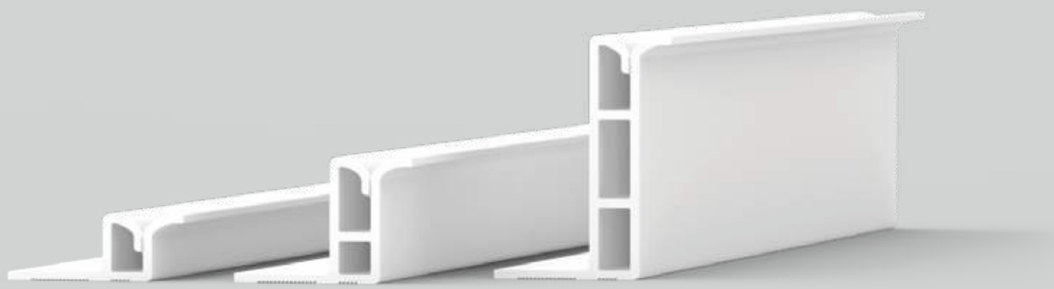




ML 15B ML 27B ML 53B

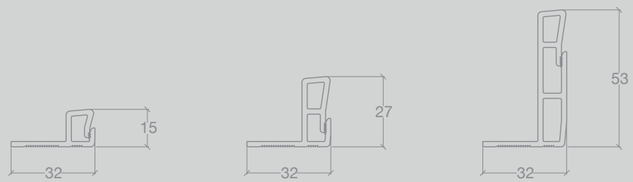
3 Mid Load
Round Edge

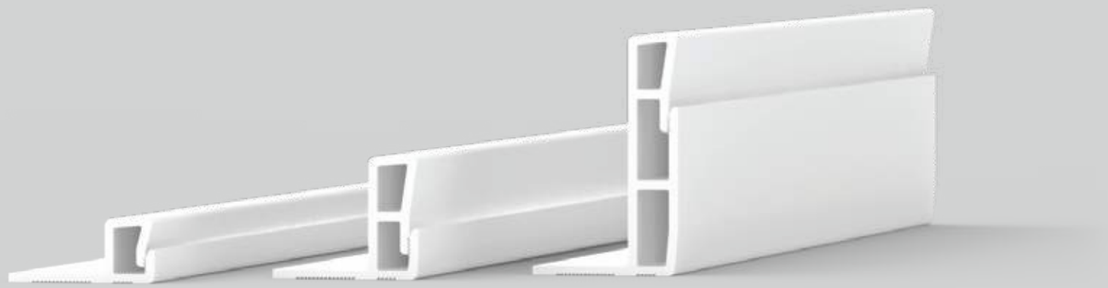




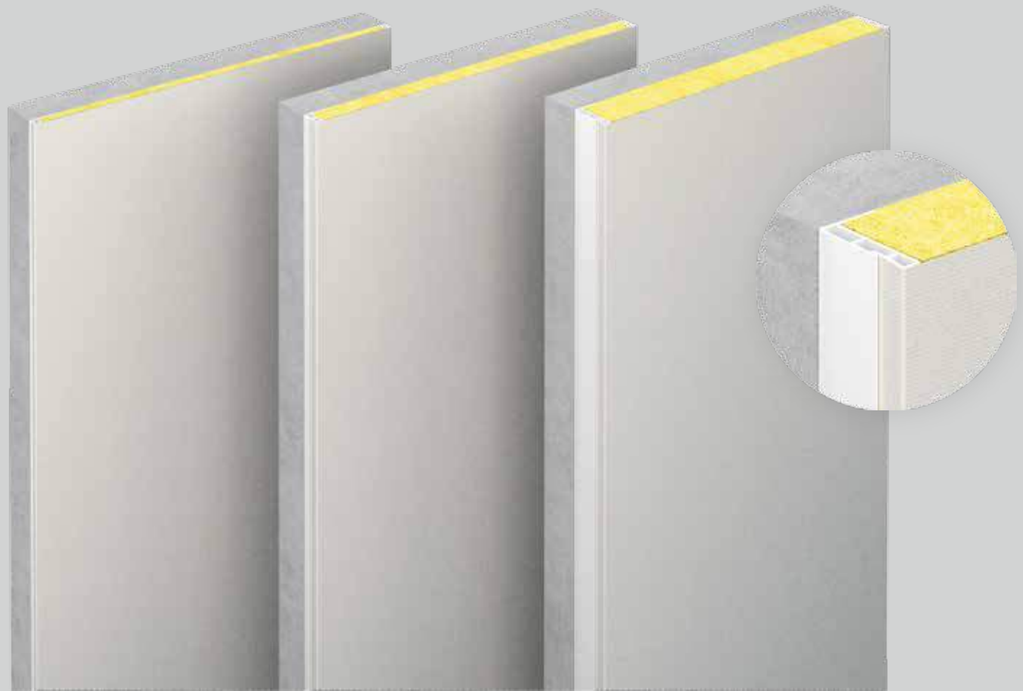
ML 15R ML 27R ML 53R

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.

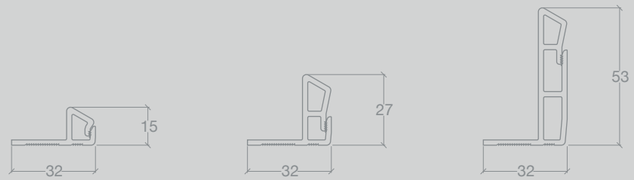
2

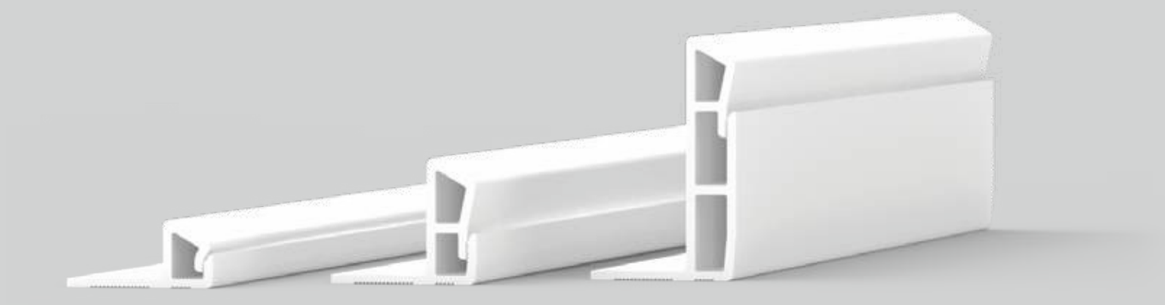
Install mineral infill or acoustic foam within the areas encased by the tracks. Secure the infill or foam with screws, spindle pins, or adhesives.

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.

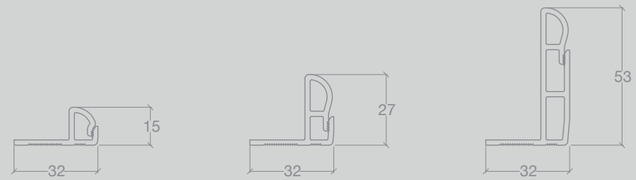
5 Edge Load
Bevel Edge

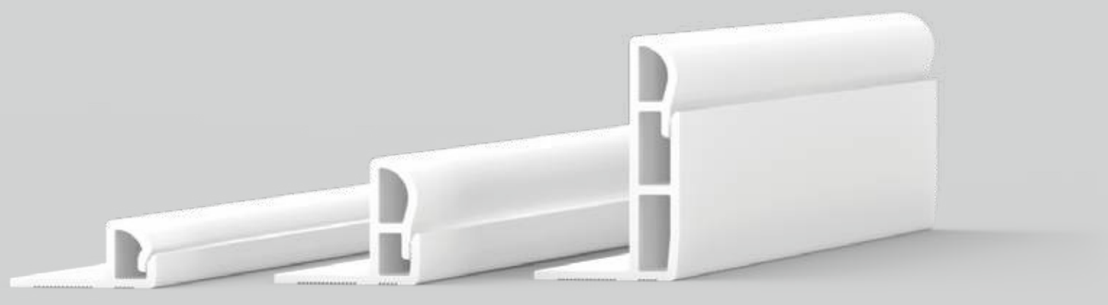




EL 15B EL 27B EL 53B

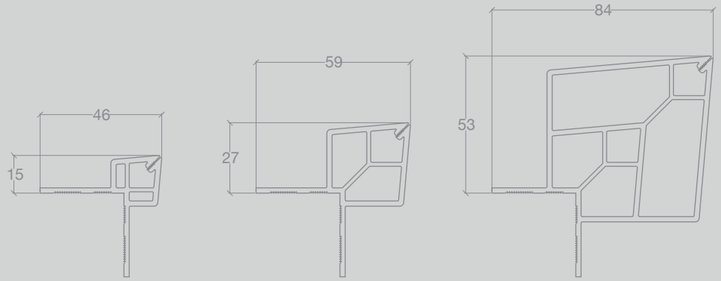
6 Edge Load
Round Edge

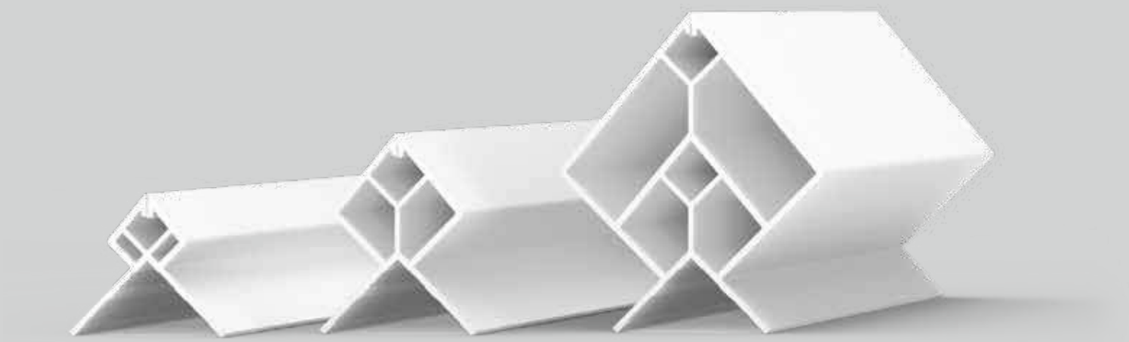




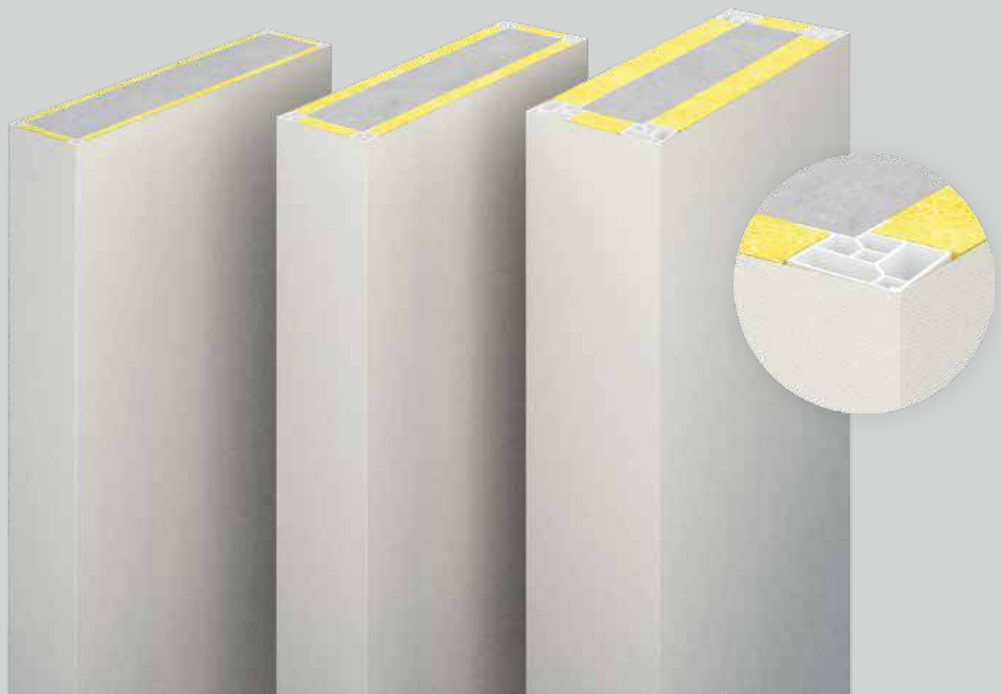
EL 15R EL 27R EL 53R

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.

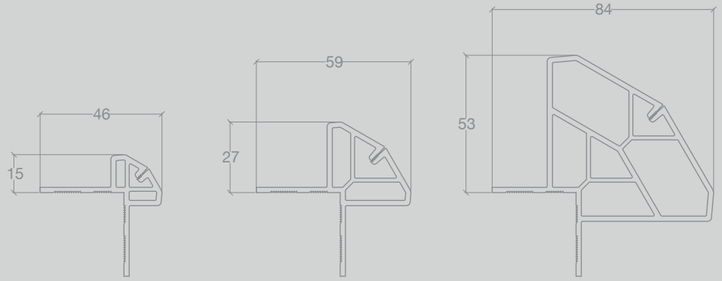
2

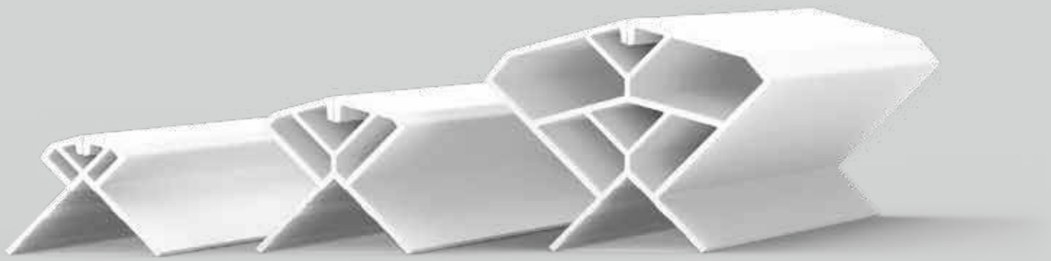
Install mineral infill or acoustic foam within the areas encased by the tracks. Secure the infill or foam with screws, spindle pins, or adhesives.

3

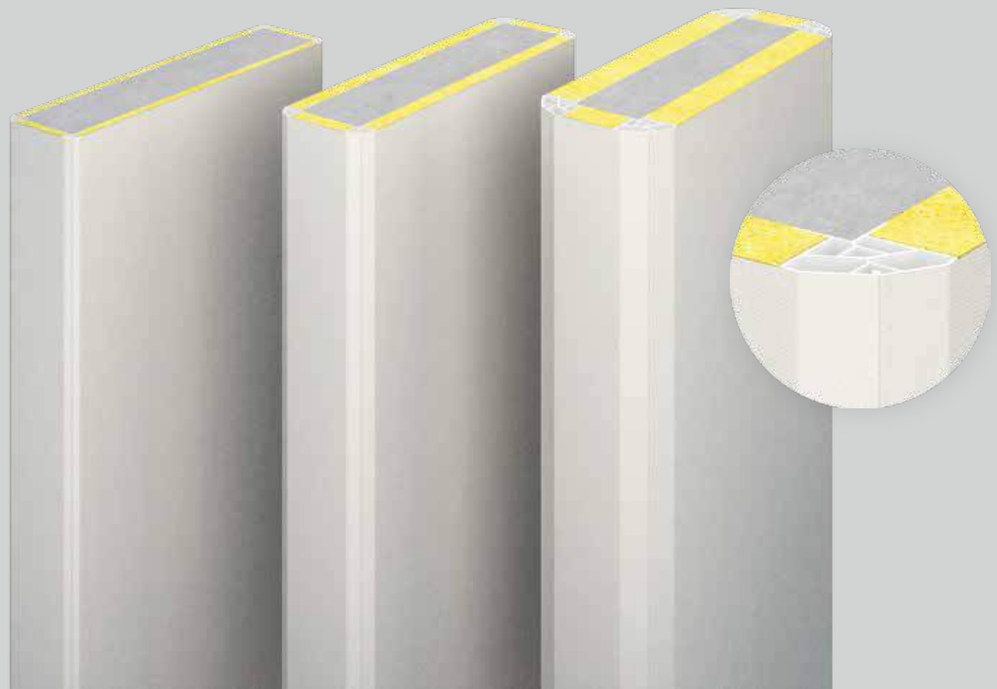
Install the fabric into the teeth of the track with a mallet and putty knife. Trim off the excess fabric and tuck in any loose fabric or thread.

8 Corner Load
Bevel Edge

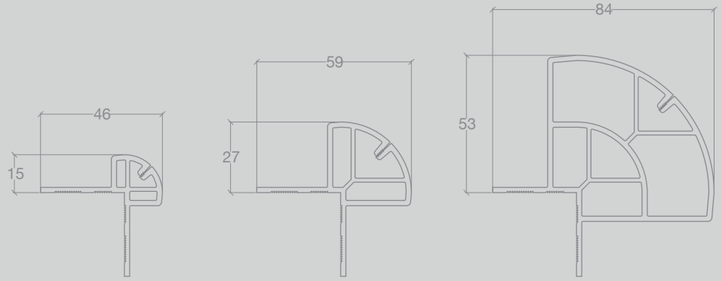


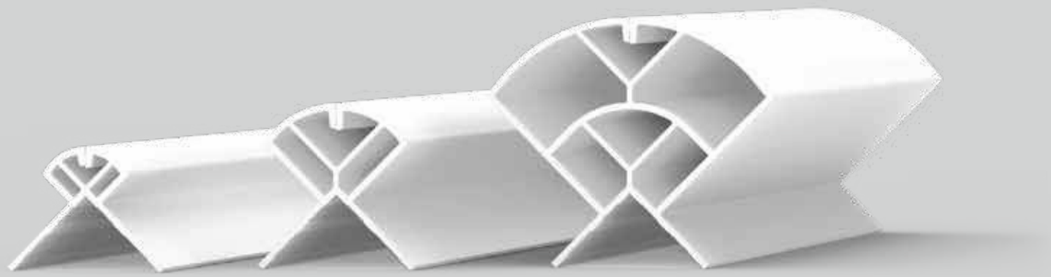


CL 15B CL 27B CL 53B

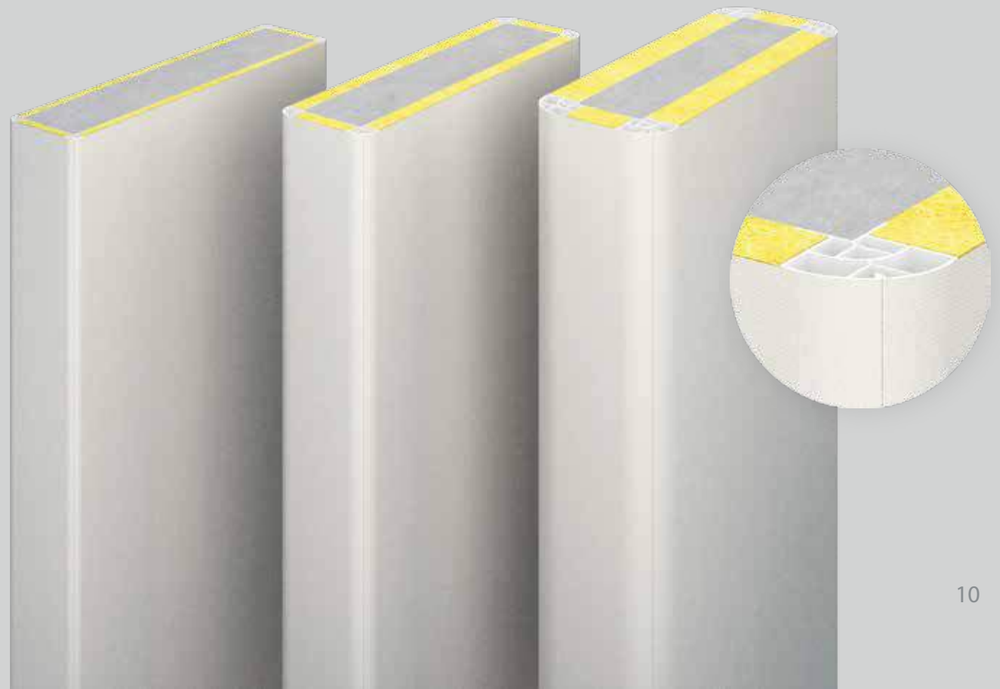


9 Corner Load
Round Edge





CL 15R CL 27R CL 53R



Snap

Tan Chin Tuan Lecture Theatre

Location
50 Nanyang Ave, Singapore

Client
Nanyang Technological University

Architect
SQFT Architects

Main Contractor
Soon Lee Pte. Ltd.

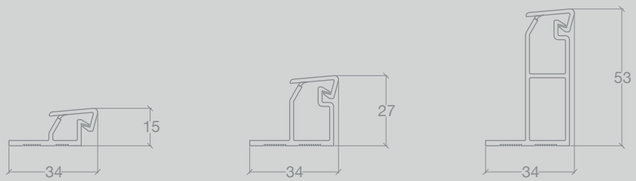
The Nanyang Technological University (NTU) is an autonomous research university in Singapore established in 1955.

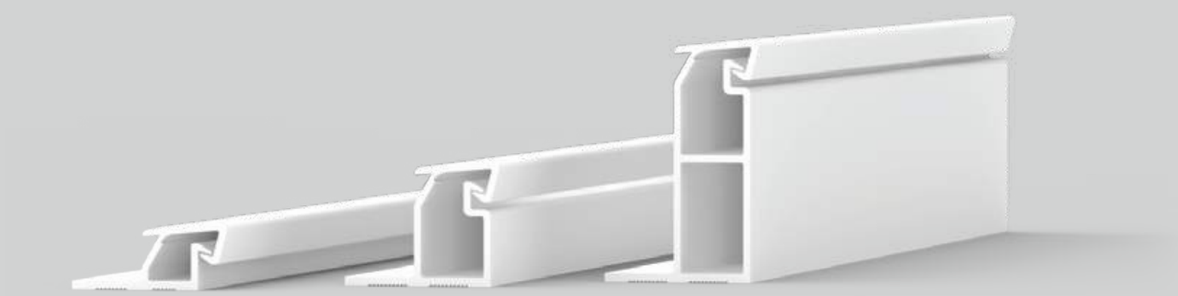
The Tan Chin Tuan Lecture Theatre was built in honour of Dr Tan Chin Tuan, who was a Peranakan banker and philanthropist who is often credited with helping to build up Oversea-Chinese Banking Corporation (OCBC). The lecture theatre was refurbished in 2018.

The acoustics of the lecture theatre was designed to promote speech intelligibility amongst professors and students. 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 on the walls of the lecture theatre.

Tan Chin Tuan Lecture Theatre
50 Nanyang Ave, Singapore

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.

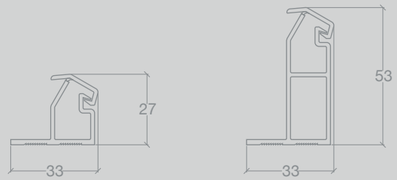
2

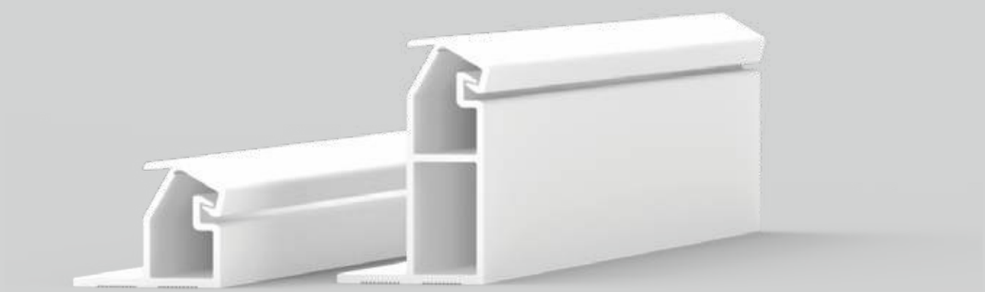
Install mineral infill or acoustic foam within the areas encased by the tracks. Secure the infill or foam with screws, spindle pins, or adhesives.

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.

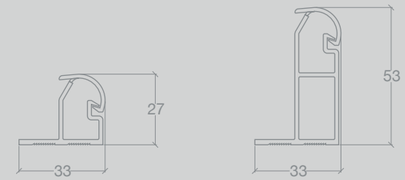
11 Edge Snap
Bevel Edge

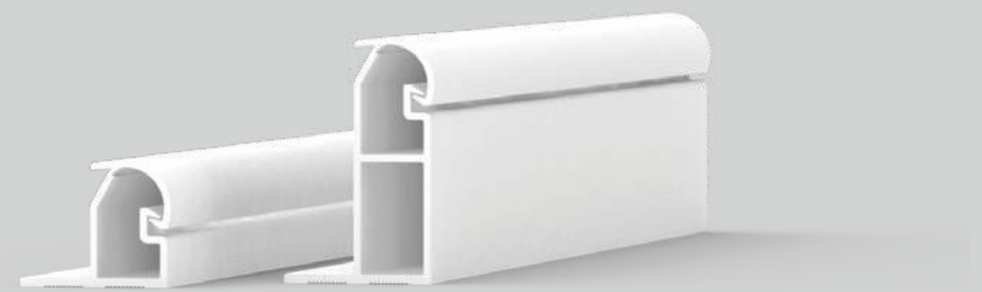




ES 27B ES 53B

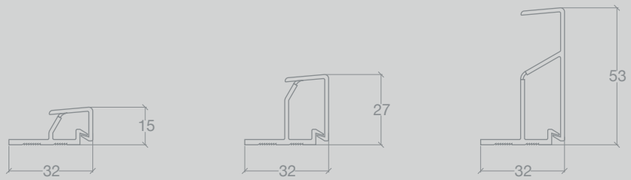
12 Edge Snap
Round Edge

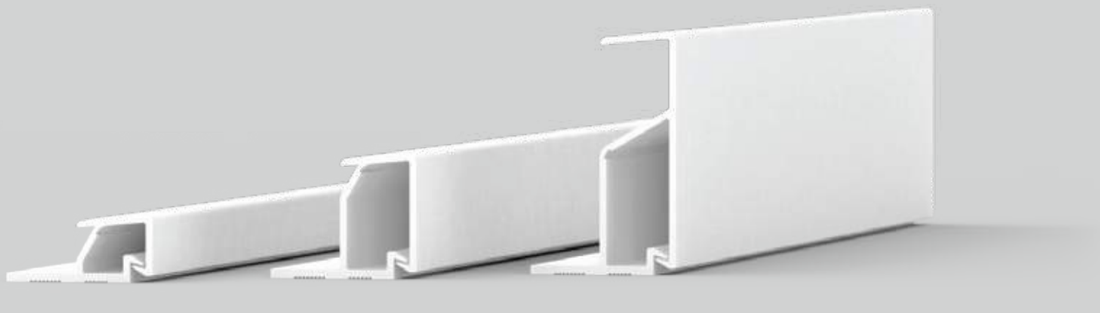




ES 27R ES 53R

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.

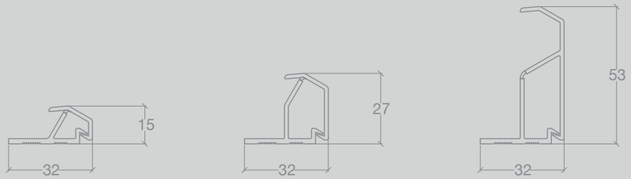
2

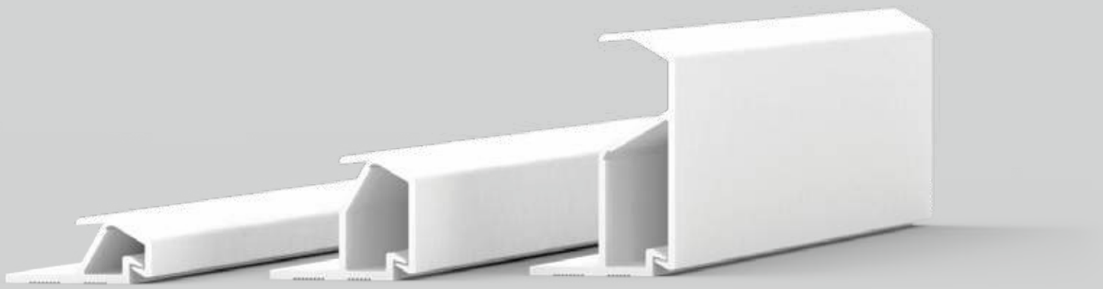
Install mineral infill or acoustic foam within the areas encased by the tracks. Secure the infill or foam with screws, spindle pins, or adhesives.

3

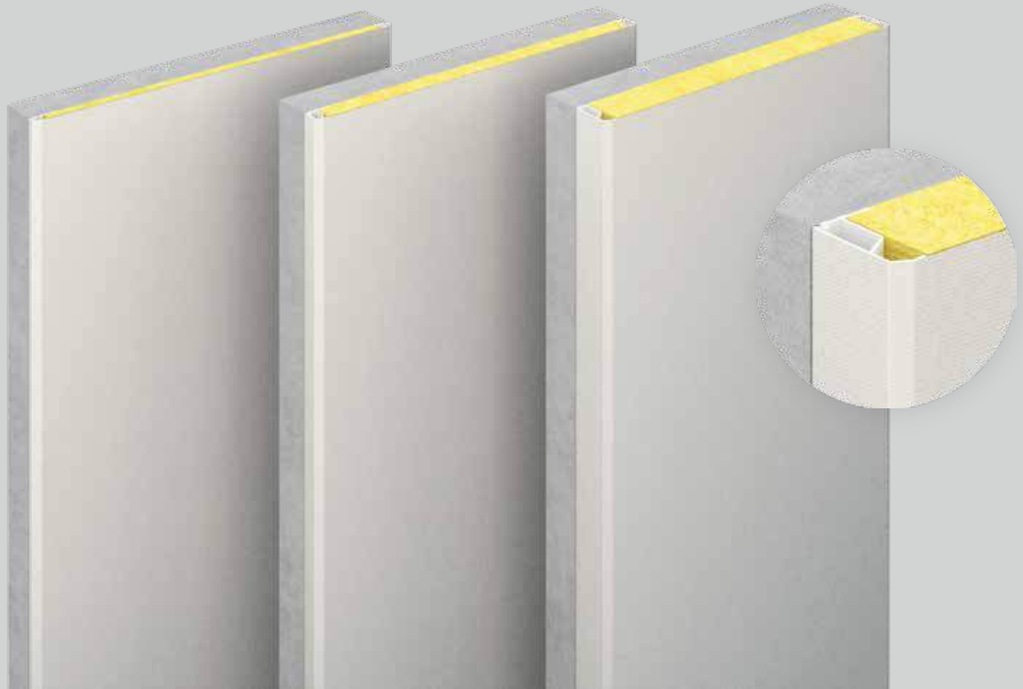
Snap the track open and stick the fabric to the adhesive tape. Tuck the fabric into the cavity with a putty knife and snap the track close.

14 Side Snap
Bevel Edge

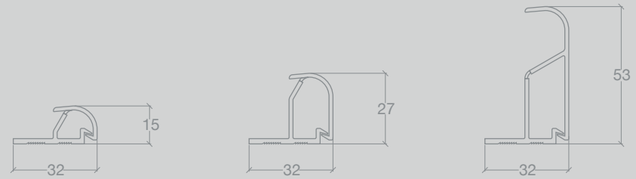


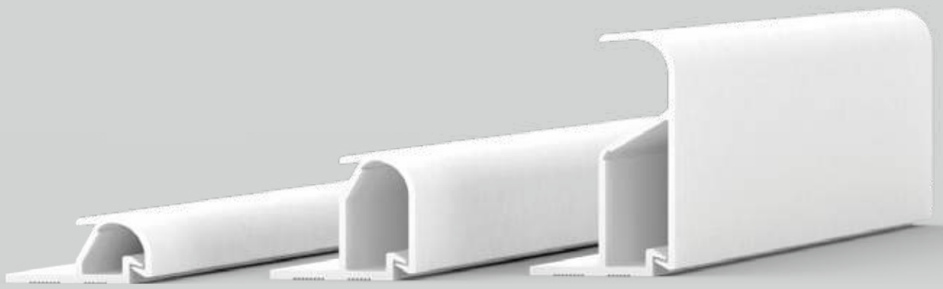


SS 15B SS 27B SS 53B

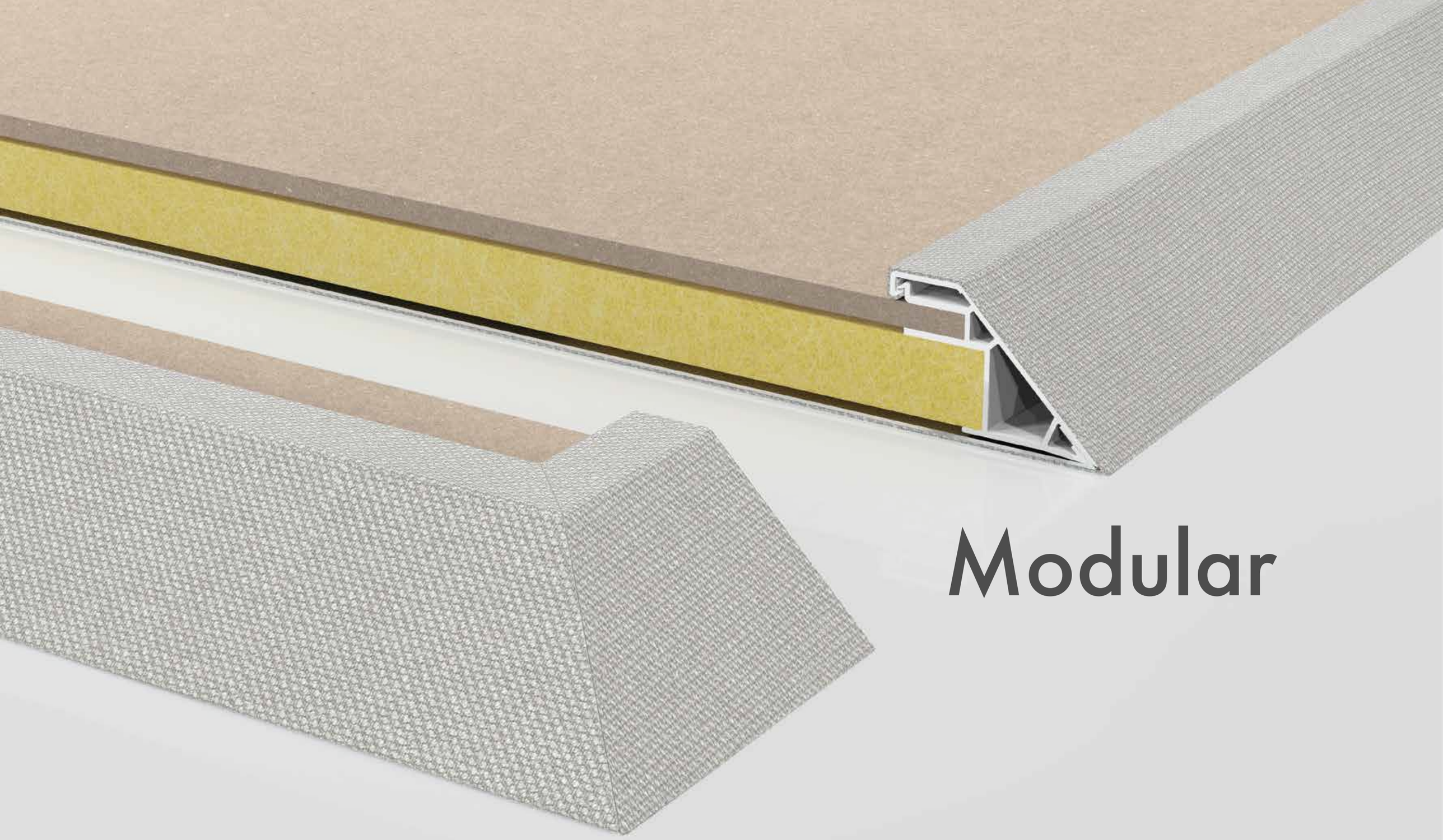


15 Side Snap
Round Edge





SS 15R SS 27R SS 53R



Modular

URA Centre

Location
45 Maxwell Road Singapore

Client
Urban Redevelopment Authority

Architect
D'Perception Singapore

Consultant
Soundzipper LLP

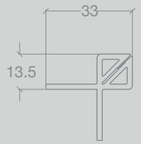
Main Contractor
D'Perception Singapore

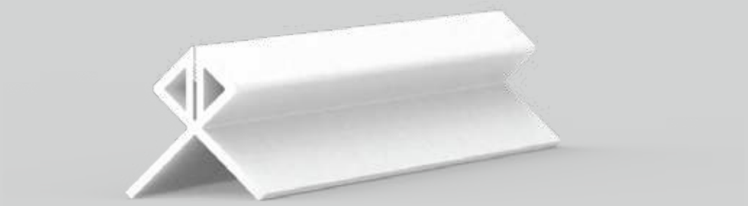
The Urban Redevelopment Authority is the national urban planning authority of Singapore, and a statutory board under the Ministry of National Development of the Singapore Government.

The URA Centre was opened in 1999 by Lim Hng Kiang, who was National Development Minister at the time, and refurbished in 2016.

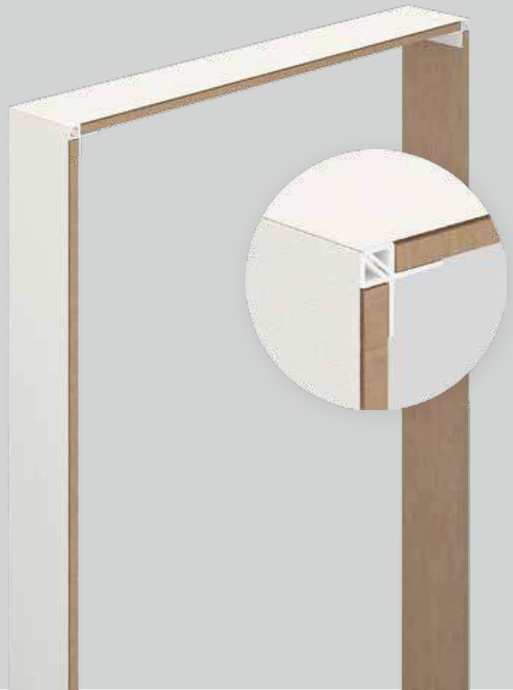
The acoustics of the space was designed by Soundzipper LLP to meet both noise criterion levels and RT60 targets. Fabrix profiles ML 27S (Mid Load, 27mm Height, Square Profile), EL 27S (Edge Load, 27mm Height, Square Profile) and SS 27S (Side Snap, 27mm Height, Square Profile) were used in the construction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

URA Centre
45 Maxwell Rd, Singapore





XL 12S



Modular Corner Load

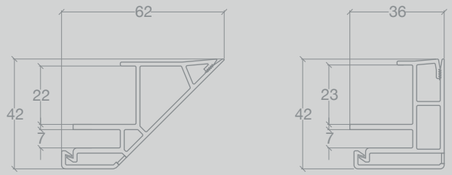
The modular corner load joins the fabric at outside corners. The fabric sits tightly in between the teeth of the track. The teeth are serrated downwards to keep the fabric from slipping out. The track features an anti-warp feature to prevent an imprint on the fabric, and also an anti-slip feature to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

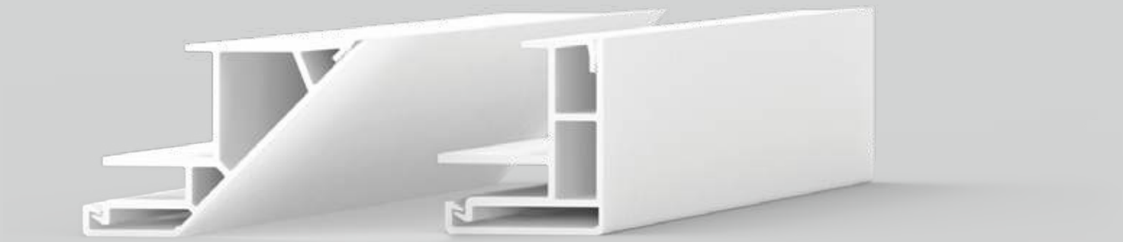
2 Measure and cut the track to the same width as the frame. Insert the track into the butt join gap and secure with screws.

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.



Modular Back Snap

The modular range houses all the components required to make an acoustic panel. Firstly, an MDF board is inserted into the track as the base of the panel. A mineral infill or acoustic foam is then installed onto the MDF board. Lastly, an acoustically transparent fabric is wrapped over the panel and secured with the teeth of the track.



XH 42A XH 42S

Installation

1

Cut the tracks to size to form the frame of the acoustic panel. Insert 6mm MDF board into the track to form the base.

2

Install mineral infill or acoustic foam within the areas encased by the tracks. Secure the infill or foam with screws or adhesive onto the MDF board.

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.

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
8 Somapah Road, Singapore

Buckminster Collaboration Space

Location
8 Somapah Road, Singapore

Client
Singapore University of Technology and Design (SUTD)

Architect
DP Architects Pte. Ltd.
UNStudio

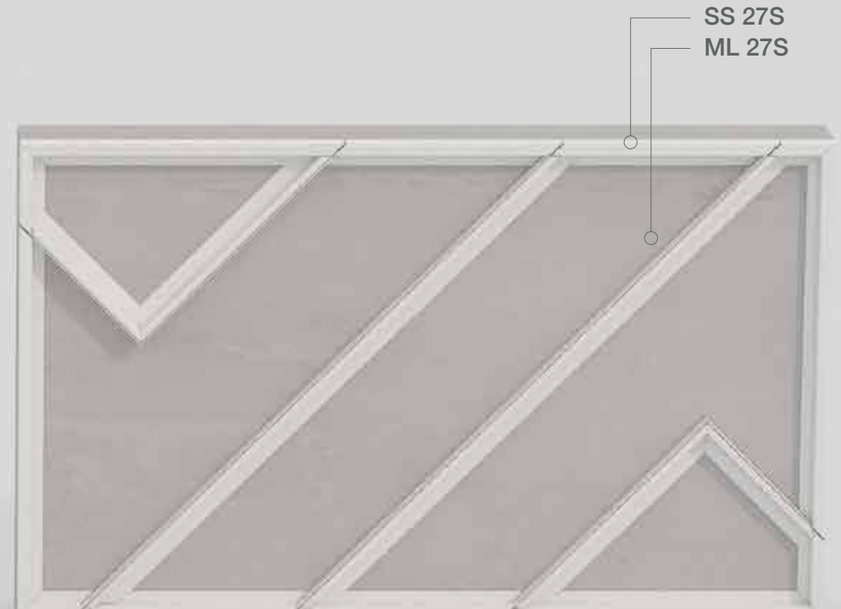
Main Contractor
Woh Hup Pte Ltd

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.

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).

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-wall.com/lifetime-warranty/.

Aural-Aid HQ
65 Ubi Road 1, Singapore

Aural-Aid HQ

Location
Oxley Bizhub 1, Singapore

Client
Aural-Aid Pte. Ltd.

Main Contractor
GHR Renovation Pte Ltd

Aural-Aid was founded in 2013 and is a well-established architectural acoustics company in Singapore. They build auditoirums, cinemas, concert halls, and acoustic spaces for clients such as Google, Apple, and IBM.

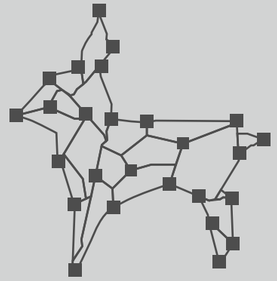
The Aural-Aid HQ was built in 2016 as a 2-level office with a double sided floor-to-ceiling glass facade.

To reduce the high-reveberation time causd by specular reflections from the glass facade, fabric system panels were installed on the walls and ceiling. 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 system.

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
🔥 Fire Classification Test: EN 13501-1 = Class B
🔥 Smoke Density Test: EN 13501-1 = s1 d0
🔥 Fire Spread Test: EN 13501-1 = Class 0 (self-extinguishing)



Fabrix

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