

Specification Guide

Groove™ is a semi-rigid, lightweight CNC-cut panel with precise angular designs that bend and distort light to create depth, nuance, and texture.

With 12 unique designs, Groove enables everything from subtle surface detailing to bold eye catching patterns. It can transform any space by introducing dynamic light play and dimensionality.



In everything we do



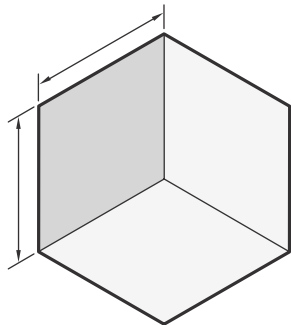
Groove™



Path to Specification

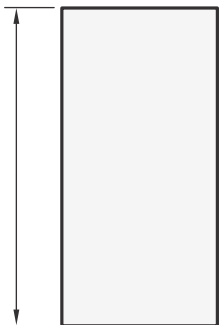
1. Space

What are the dimensions of the space you are designing?



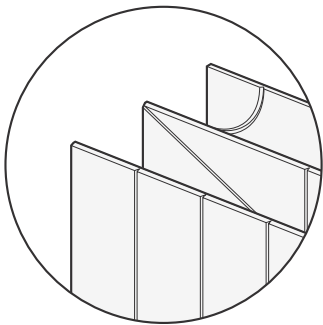
2. Size and Thickness

What panel dimensions are available?



3. Style

What styles are available?

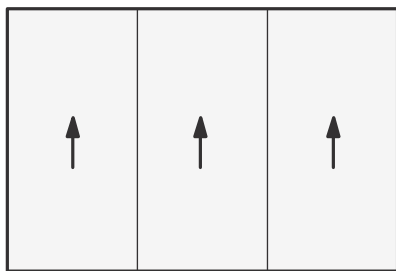


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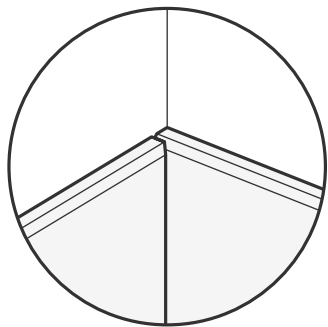
4. Layout

What orientations are possible?



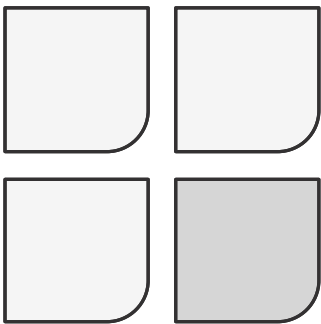
6. Detail Considerations

What install details should I consider?



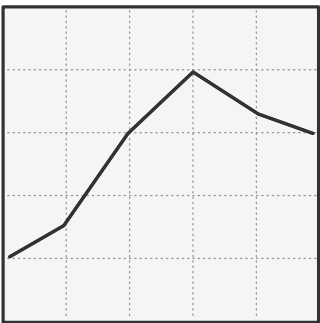
7. Colors

What colors are available?



8. Technical Information

What are the technical specifications?



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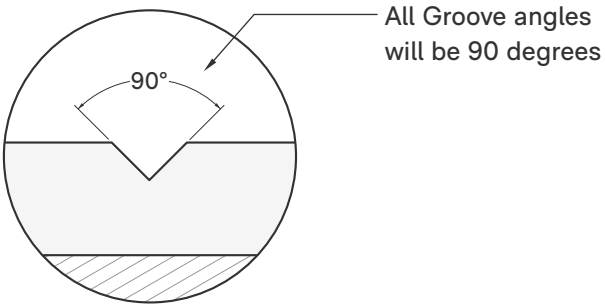
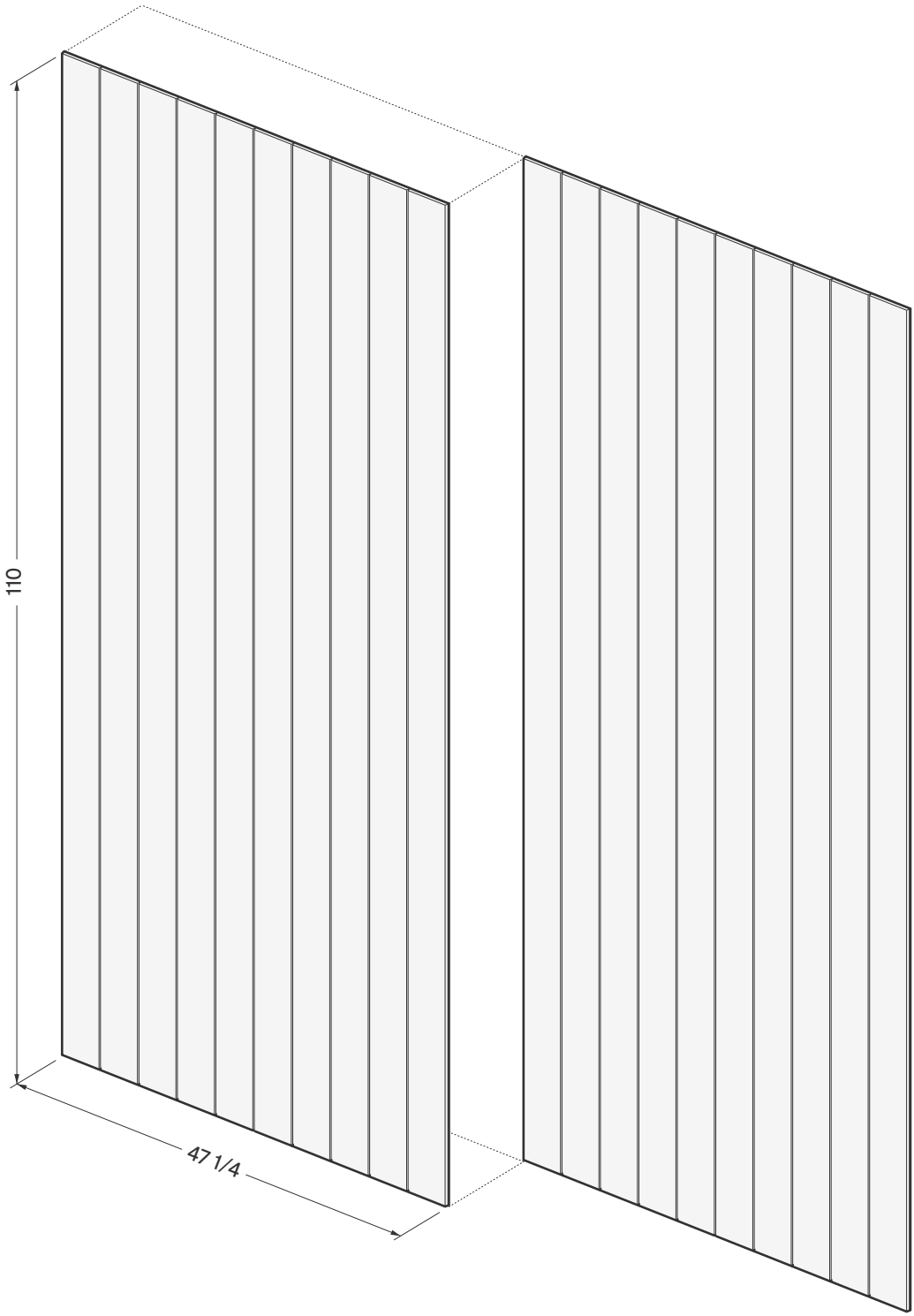
Quick Reference

Panel Dimensions

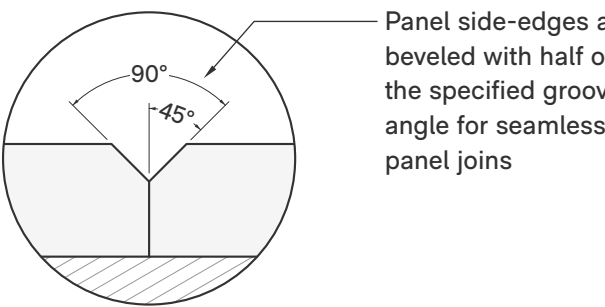
Width	47 1/4" (1200mm)
Height	110" (2794mm) - standard
Thickness	3/8" (9mm), 1" (24mm)

Connection

Adhesive	Panels can be installed with appropriate adhesive (supplied by contractor)
Peel-and-Stick	Adhesive back supplied by Autex Acoustics®
SpinFix™	See SpinFix™ install guide
See Product Installation Guide for further details	



Standard Groove Angle



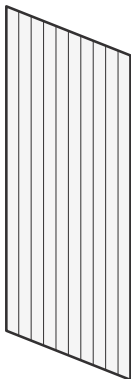
Panel Join

Panel measurements are in inches, and rounded to the nearest 1/8"



Styles Overview

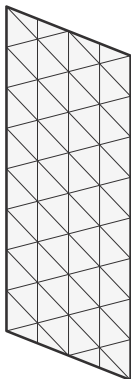
Stripe V1



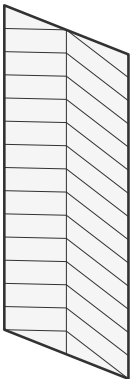
Oblique V2



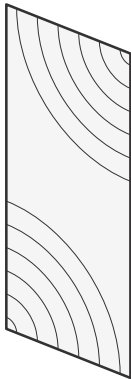
Mesh V3



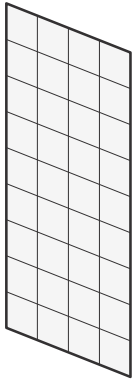
Gable V4



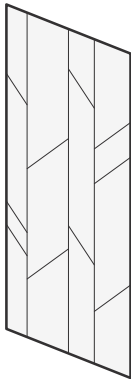
Radial V5



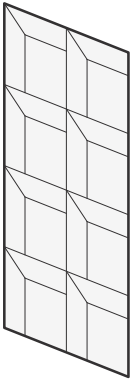
Bloc V6



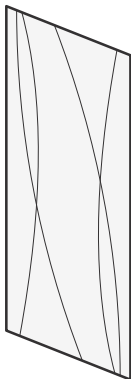
Bamboo V7



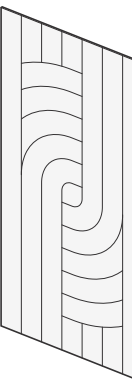
Facade V8



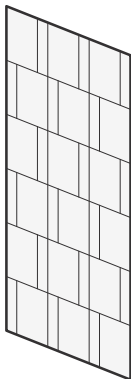
Whisp V9



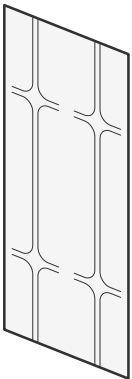
Arc V10



Refract V11



Nova V12



Style

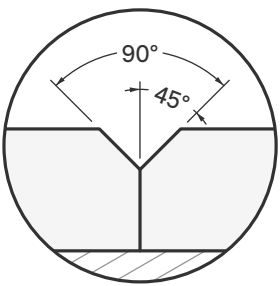




Stripe V1

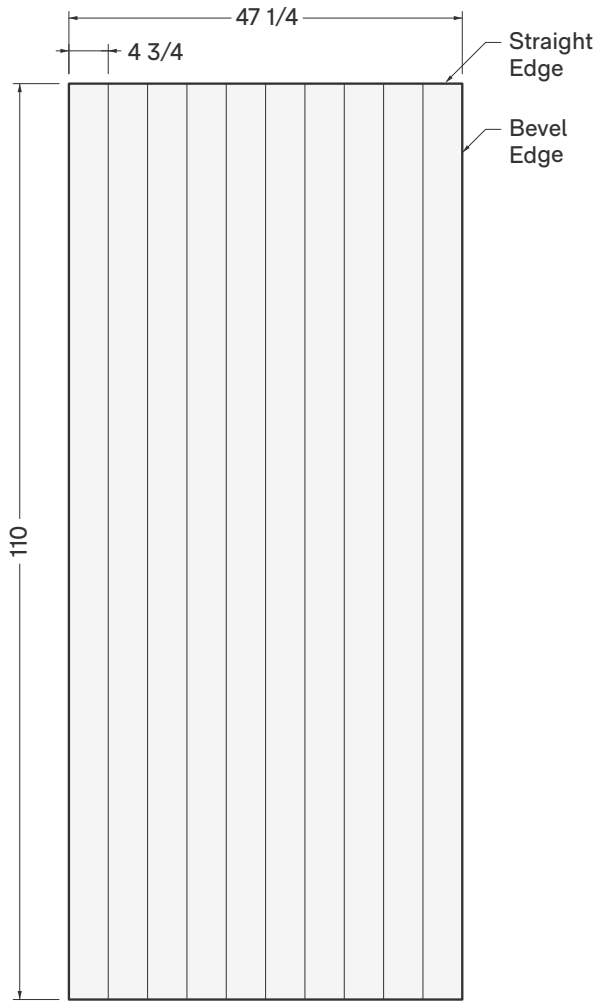
- Stripe style is equal divisions of vertical grooves across a panel
- The dimensions listed below are standard options, but can be changed if needed
- Unless specified otherwise, orders will be assumed to be all Panel A

Contact your Momentum account manager for further options.

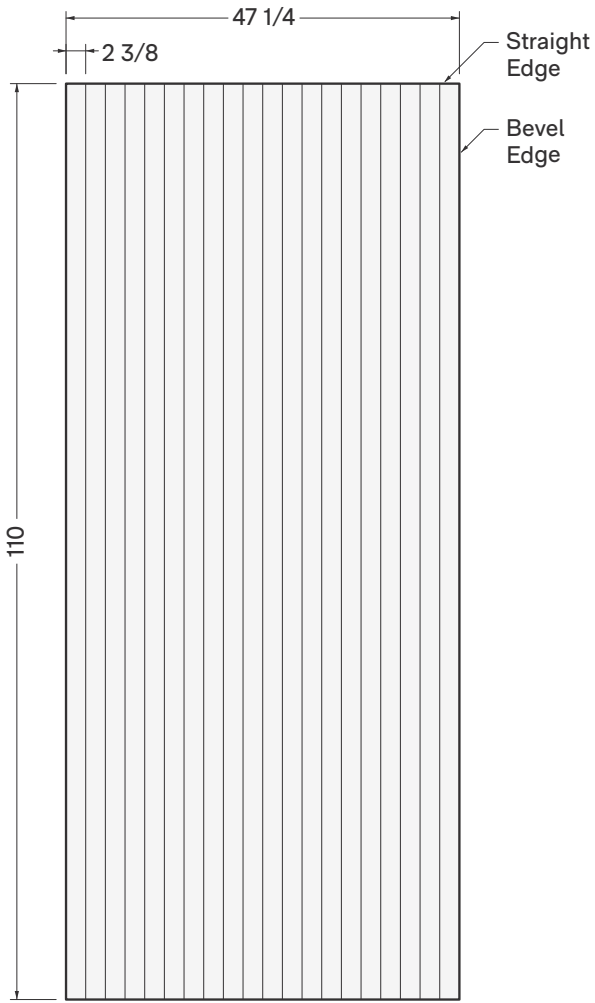


Panel side-edges are beveled with half of the specified groove angle for seamless panel joins

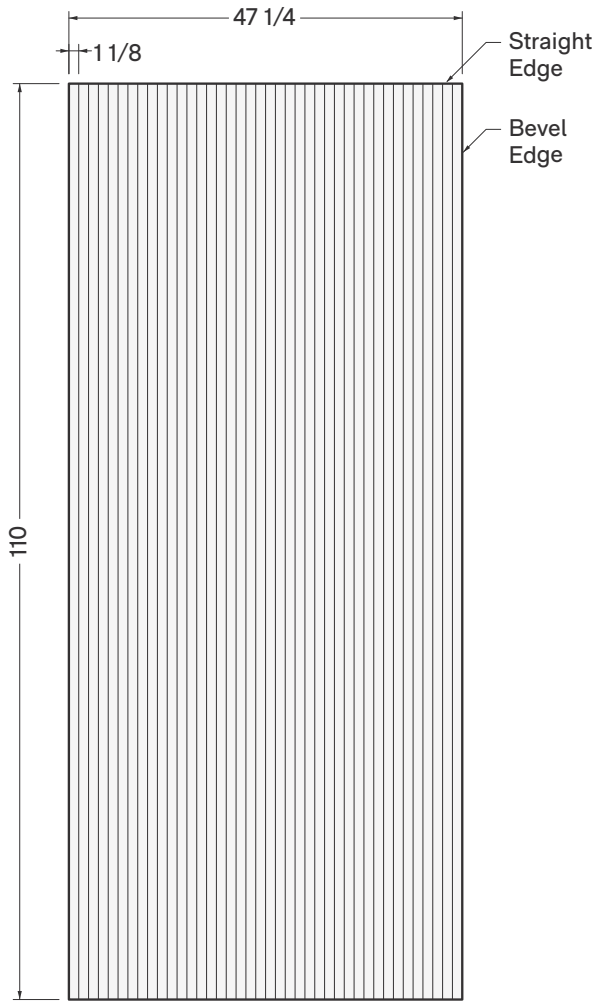
Panel A - Standard Centers



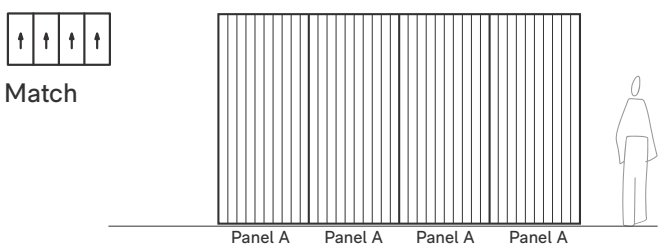
Panel B - Half Centers



Panel C - Quarter Centers



Layout Option



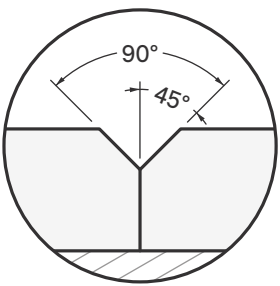
Panel measurements are in inches, and rounded to the nearest 1/8"



Oblique V2

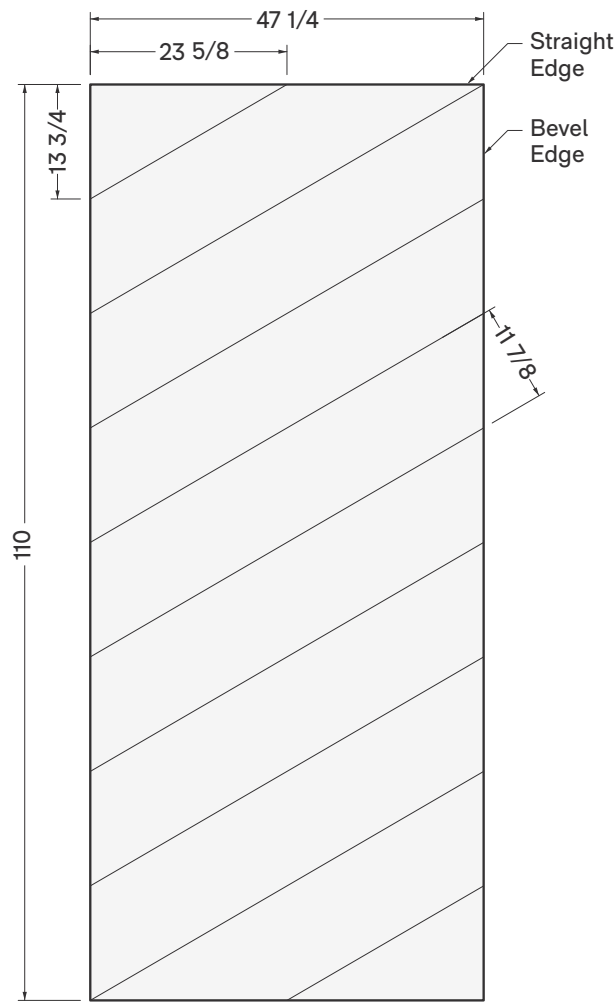
- Oblique style is equal divisions of angle grooves across a panel
- The dimensions listed below are standard options, but can be changed if needed
- Unless specified otherwise, orders will be assumed to be all Panel A

Contact your Momentum account manager for further options.

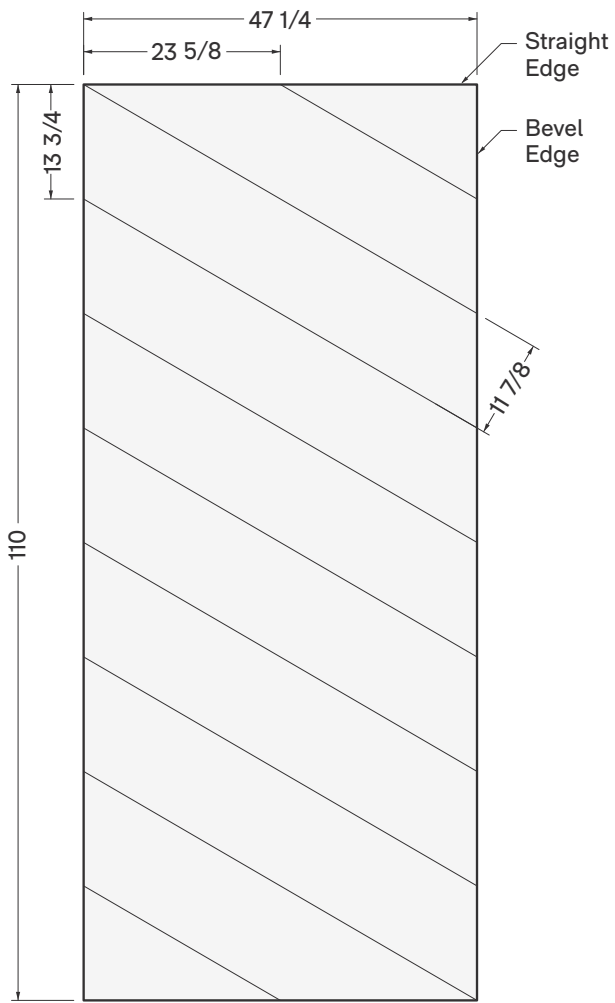


Panel side-edges are beveled with half of the specified groove angle for seamless panel joins

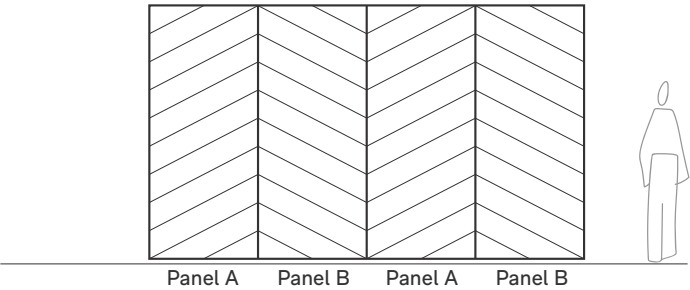
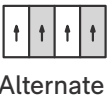
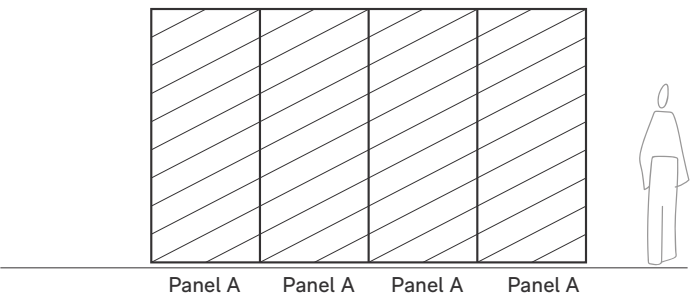
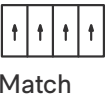
Panel A - Standard



Panel B



Layout Options



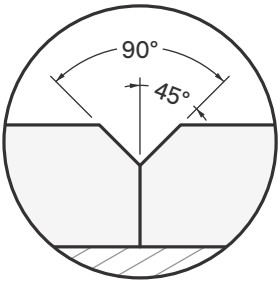
Panel measurements are in inches, and rounded to the nearest 1/8"



Mesh V3

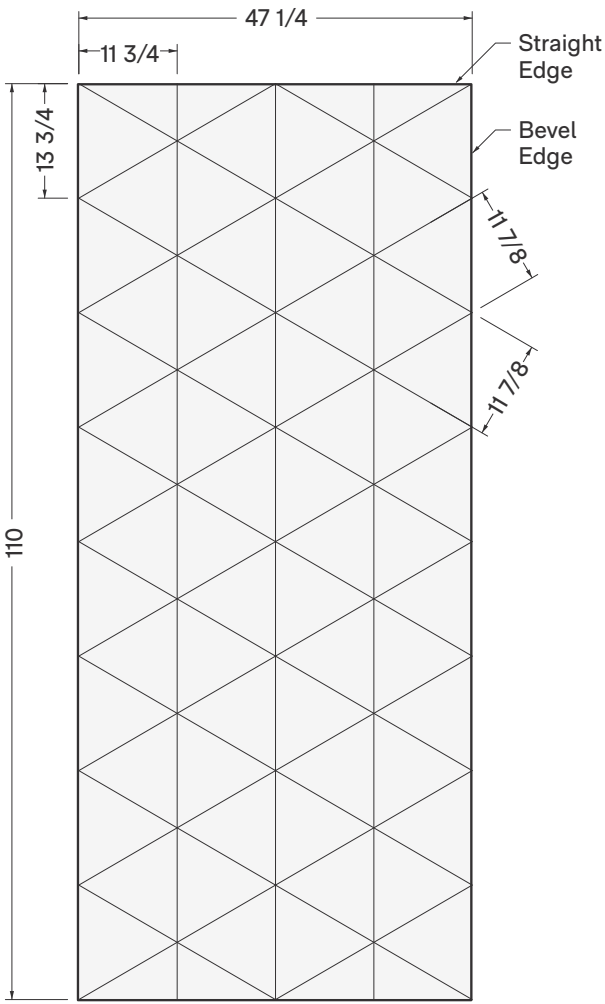
- Mesh style is equal divisions of intersecting angled and vertical grooves across a panel
- The dimensions listed below are standard options, but can be changed if needed

Contact your Momentum account manager for further options.



Panel side-edges are beveled with half of the specified groove angle for seamless panel joins

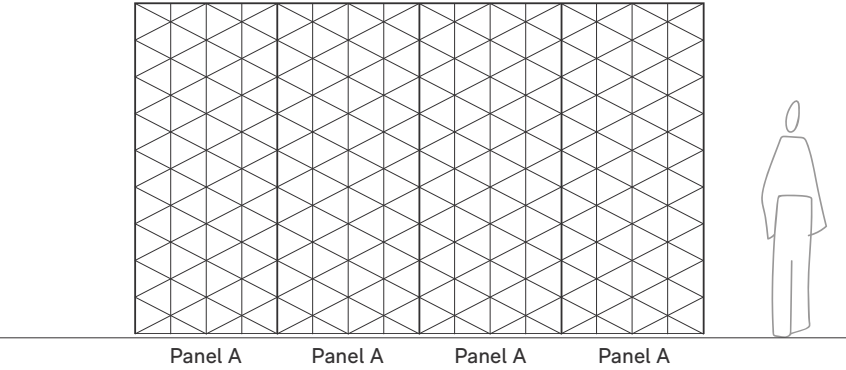
Panel A



Layout Option



Match



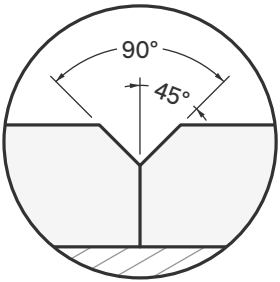
Panel measurements are in inches, and rounded to the nearest 1/8"



Gable V4

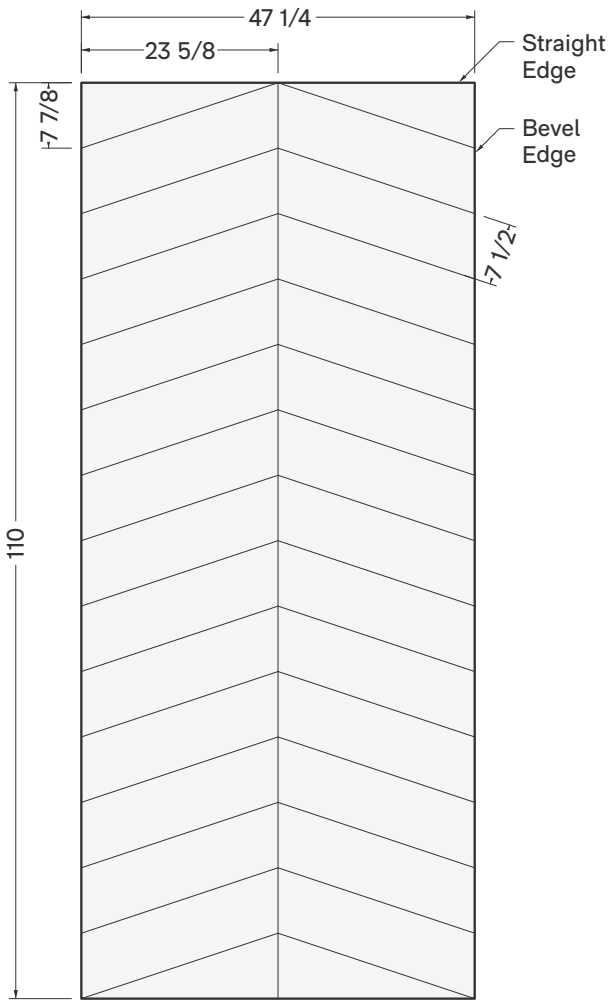
- Gable style is equal divisions of angled grooves, mirrored along the center of a panel
- The dimensions listed below are standard options, but can be changed if needed

Contact your Momentum account manager for further options.

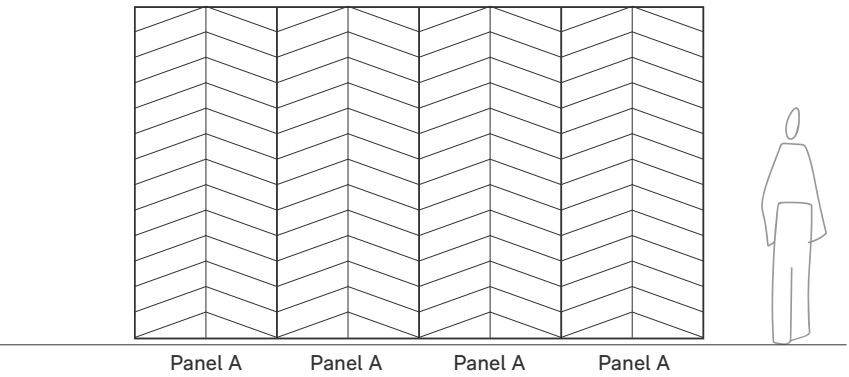
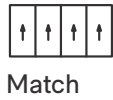


Panel side-edges are beveled with half of the specified groove angle for seamless panel joins

Panel A



Layout Options



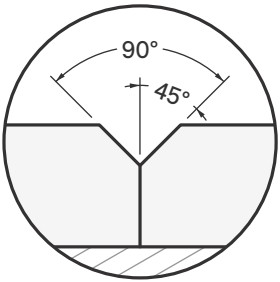
Panel measurements are in inches, and rounded to the nearest 1/8"



Radial V5

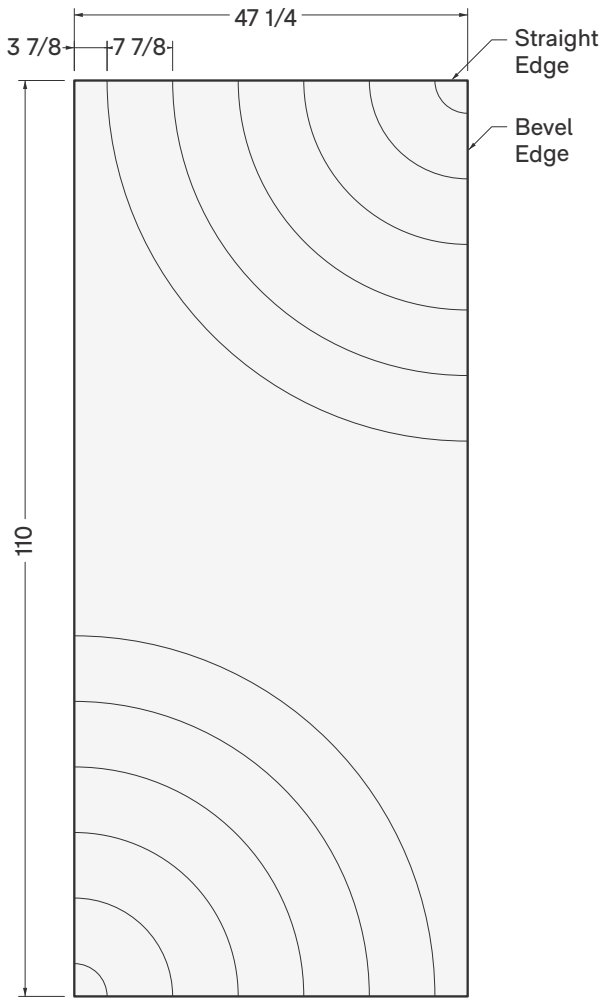
- Radial style is equal divisions of concentric grooves on opposite corners of a panel
- The dimensions listed below are standard options, but can be changed if needed
- Unless specified otherwise, orders will be assumed to be all Panel A

Contact your Momentum account manager for further options.

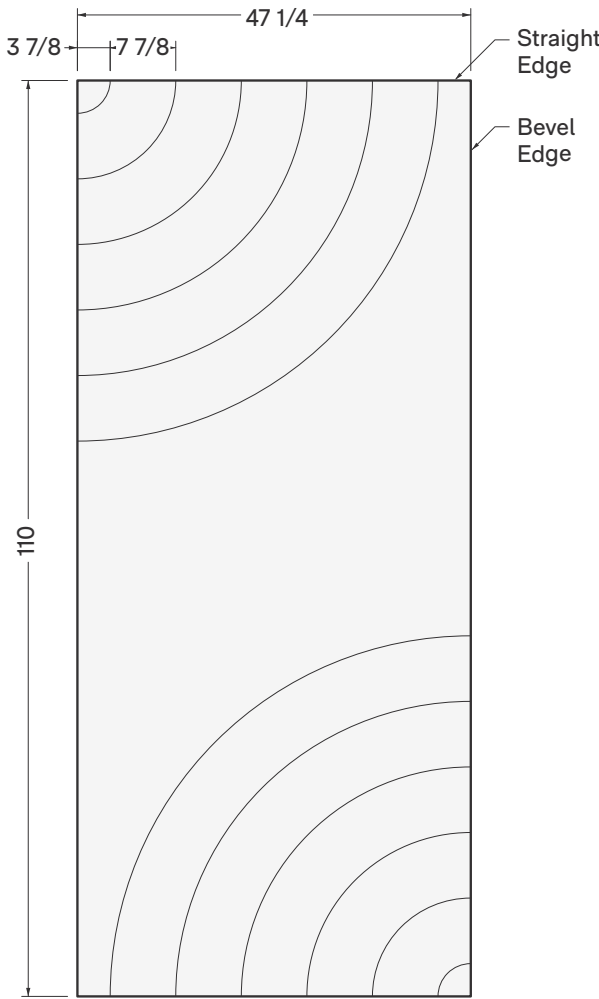


Panel side-edges are beveled with half of the specified groove angle for seamless panel joins

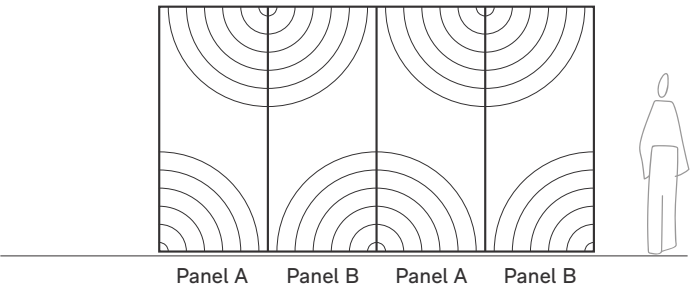
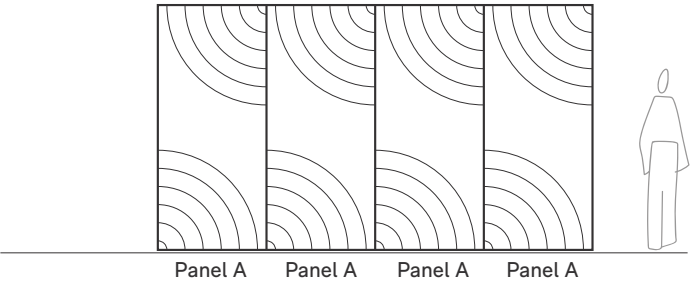
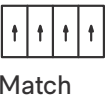
Panel A - Standard



Panel B



Layout Options

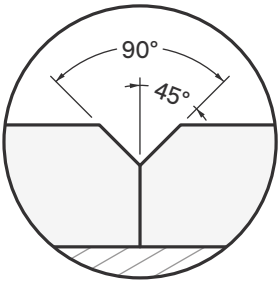




Bloc V6

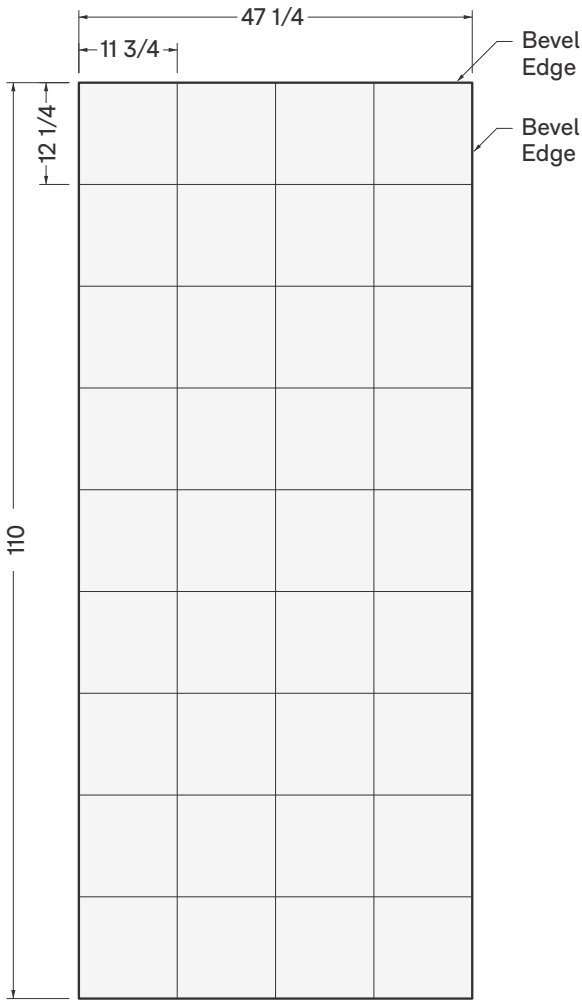
- Bloc style is equally-spaced vertical and horizontal grooves across a panel
- The dimensions listed below are standard options, but can be changed if needed

Contact your Momentum account manager for further options.



Panel side-edges are beveled with half of the specified groove angle for seamless panel joins

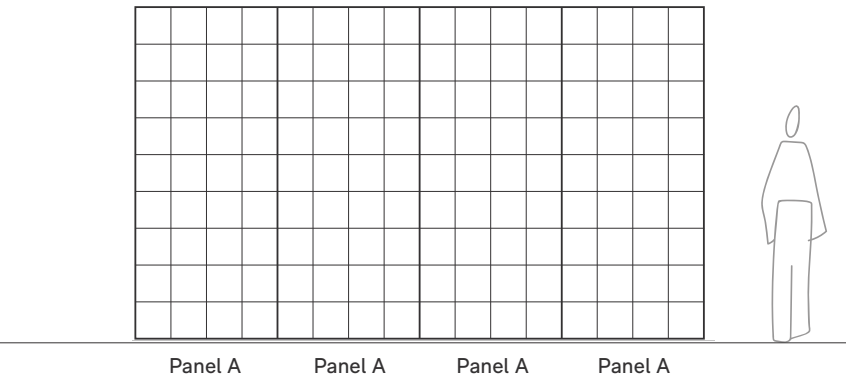
Panel A



Layout Option



Match



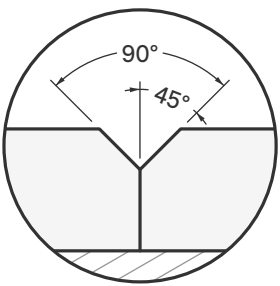
Panel measurements are in inches, and rounded to the nearest 1/8"



Bamboo V7

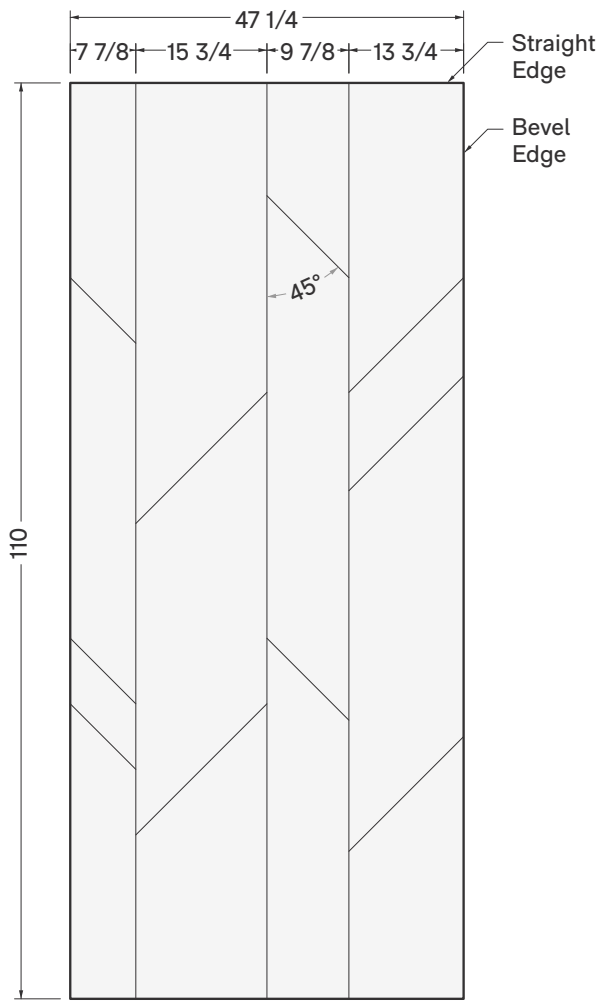
- Bamboo style is irregular vertical spacings with angled grooves between
- The dimensions listed below are standard options, but can be changed if needed
- Unless specified otherwise, orders will be assumed to be all Panel A

Contact your Momentum account manager for further options.

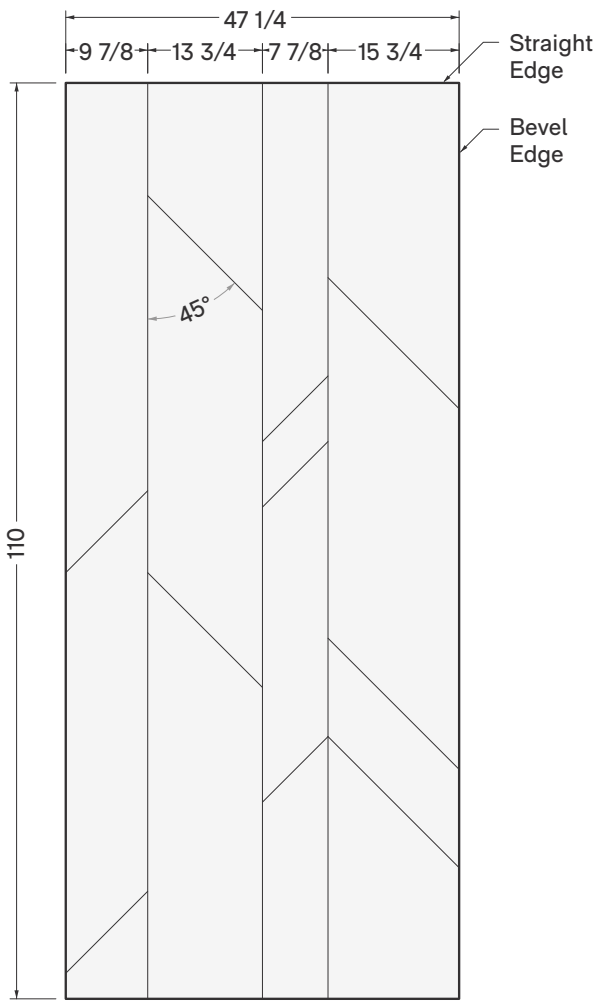


Panel side-edges are beveled with half of the specified groove angle for seamless panel joins

Panel A - Standard



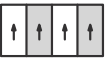
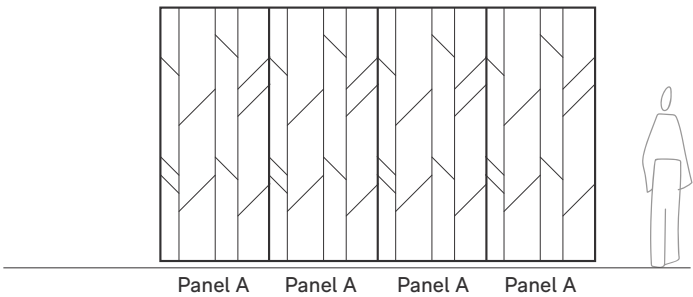
Panel B



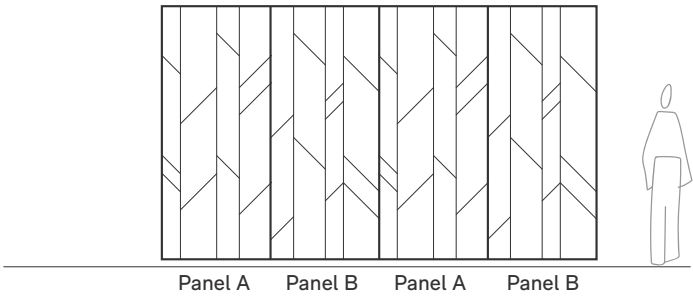
Layout Options



Match



Alternate



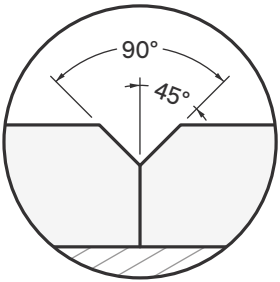
Panel measurements are in inches, and rounded to the nearest 1/8"



Facade V8

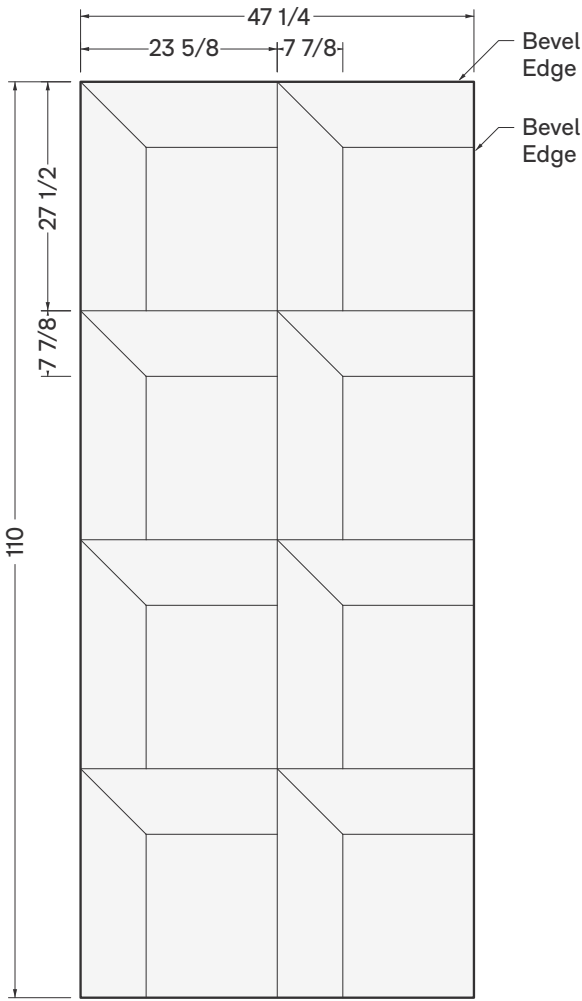
- Facade is a division of equal squares with a consistent notch detail in each
- The dimensions listed below are standard options, but can be changed if needed

Contact your Momentum account manager for further options.



Panel side-edges are beveled with half of the specified groove angle for seamless panel joins

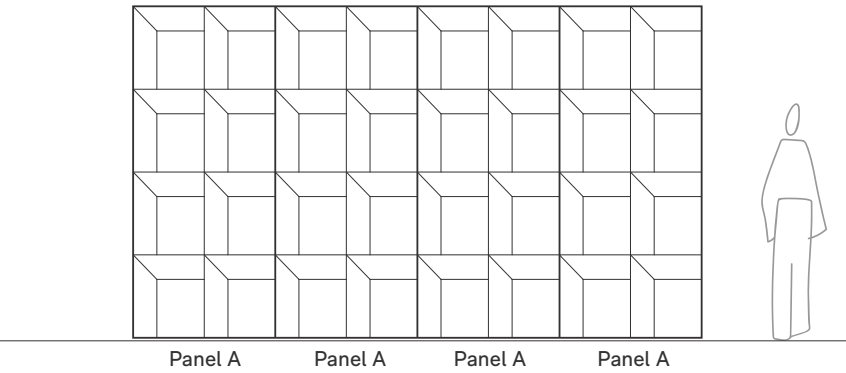
Panel A



Layout Option



Match



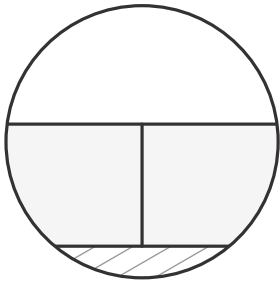
Panel measurements are in inches, and rounded to the nearest 1/8"



Whisp V9

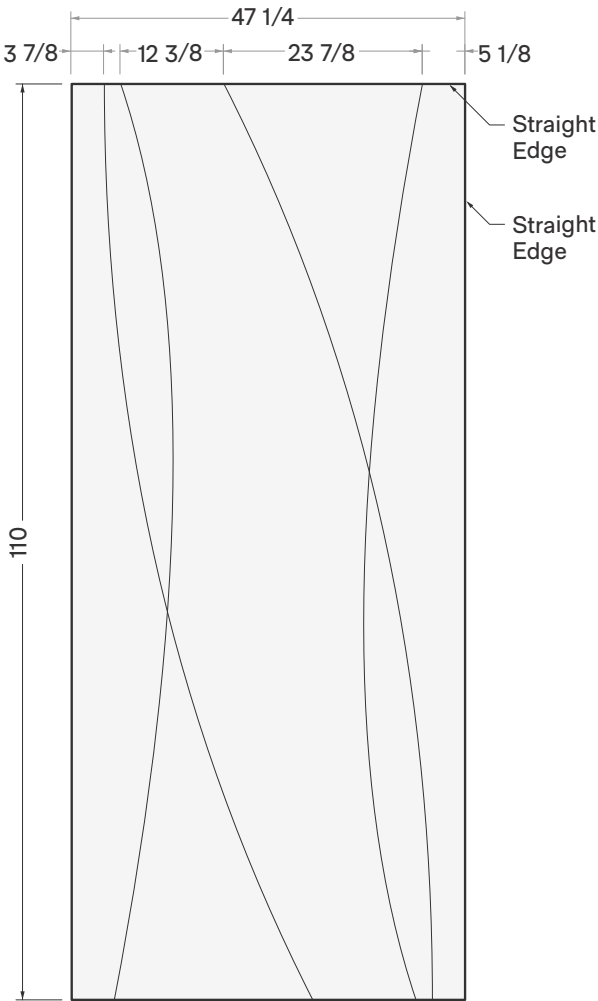
- Whisp is a pair of organic sweeping curves which are rotationally symmetrical
- The dimensions listed below are standard options, but can be changed if needed

Contact your Momentum account manager for further options.

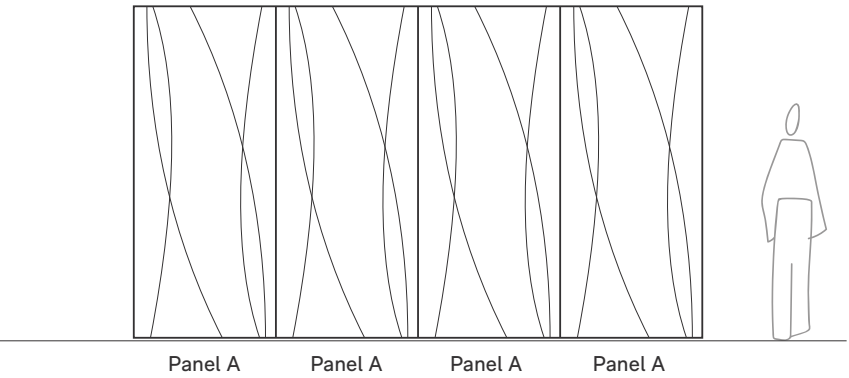
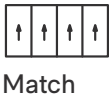


Panel side-edges are straight-cut to ensure clean, consistent joins

Panel A



Layout Option



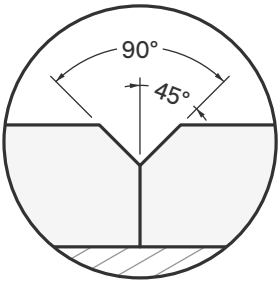
Panel measurements are in inches, and rounded to the nearest 1/8"



Arc V10

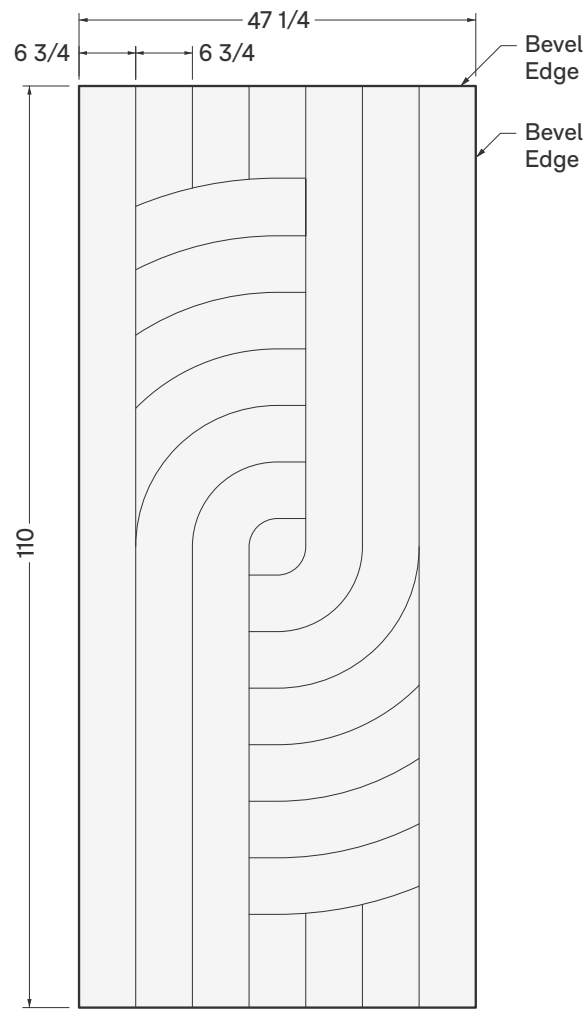
- Arc is a group of sweeping tangent curves, which allow for tessellation on all panel edges
- The dimensions listed below are standard options, but can be changed if needed
- Unless specified otherwise, orders will be assumed to be all Panel A

Contact your Momentum account manager for further options.



Panel side-edges are beveled with half of the specified groove angle for seamless panel joins

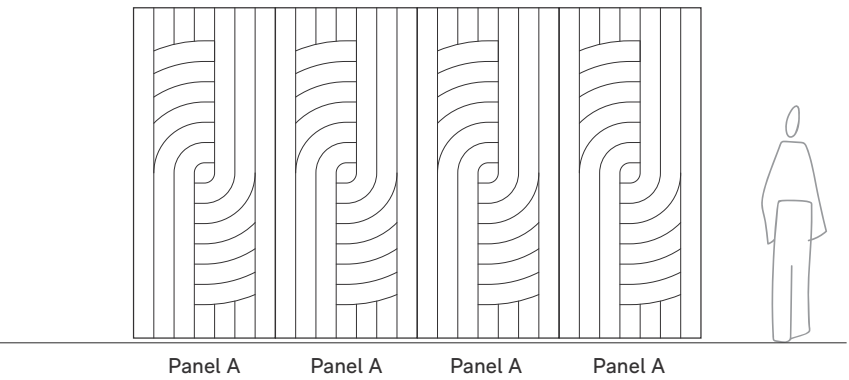
Panel A - Standard



Layout Option



Match

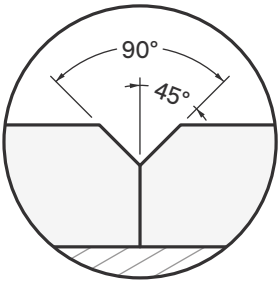




Refract V11

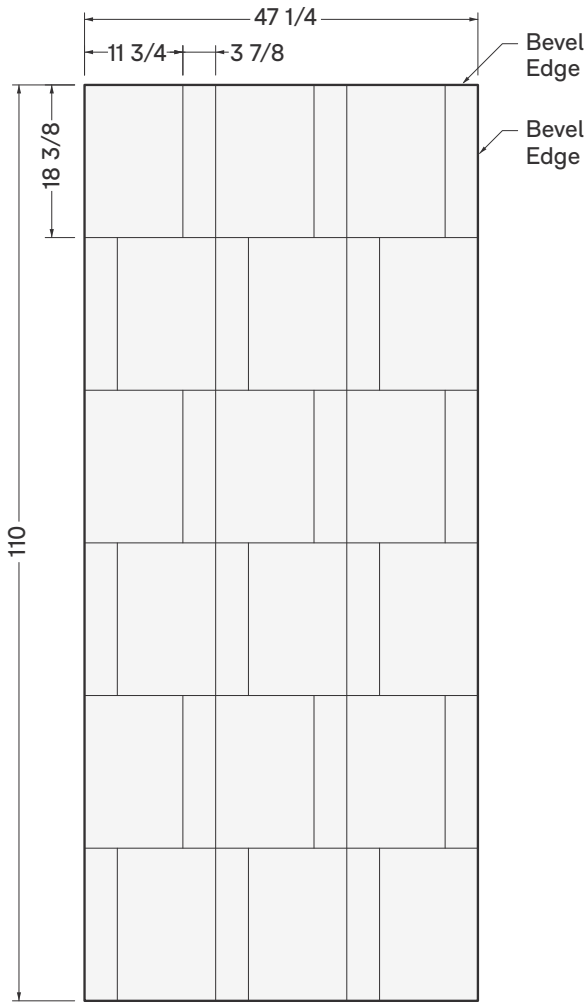
- Refract is a division of equally-spaced vertical and horizontal grooves with an alternating pattern throughout
- The dimensions listed below are standard options, but can be changed if needed

Contact your Momentum account manager for further options.



Panel side-edges are beveled with half of the specified groove angle for seamless panel joins

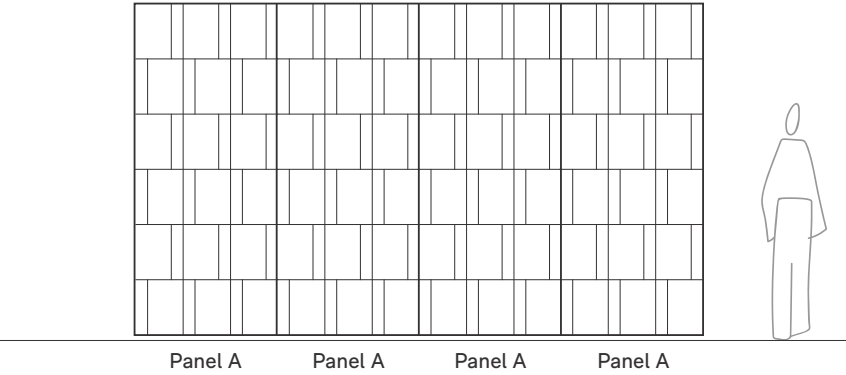
Panel A



Layout Option



Match



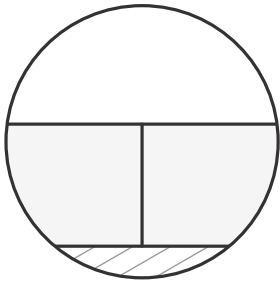
Panel measurements are in inches, and rounded to the nearest 1/8"



Nova V12

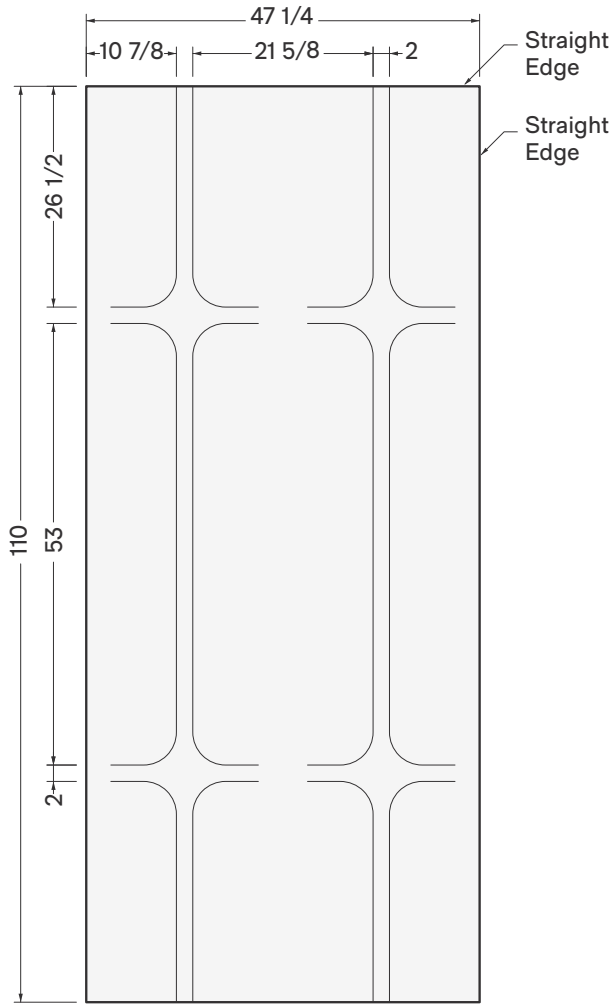
- Nova is an array of truncated grooves, which collectively make a gridded pattern across panels.
- The dimensions listed below are standard options, but can be changed if needed

Contact your Momentum account manager for further options.

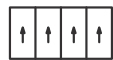


Panel side-edges are straight-cut to ensure clean, consistent joins

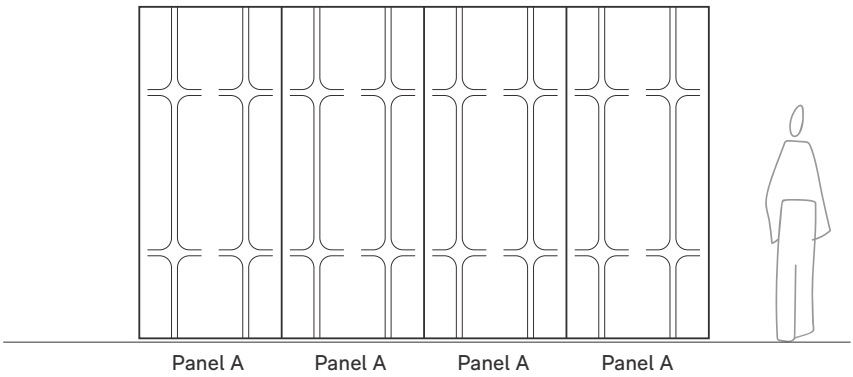
Panel A



Layout Option



Match



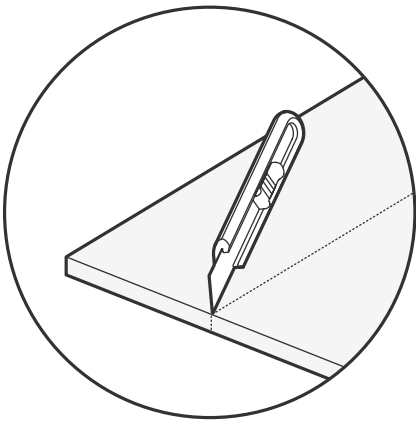
Panel measurements are in inches, and rounded to the nearest 1/8"



Detail Considerations

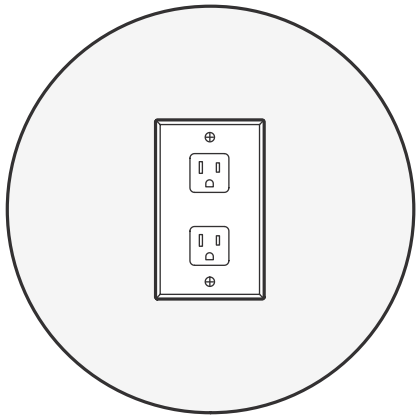
Trimming Panel

Groove panels can be cut on-site if required. We recommend multiple passes using a snap-blade or utility knife and straight edge. Frequent blade changes will result in sharper, cleaner cuts.



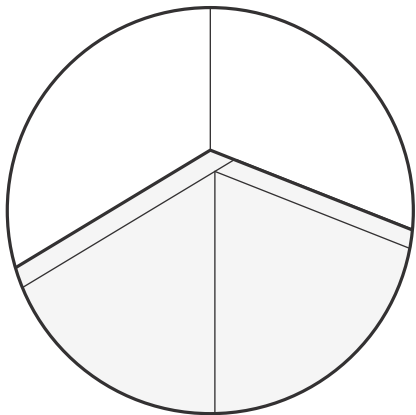
Power Outlets and Light Switches

Measure and cut out where the outlet would sit on the panel. Apply the panel to the substrate and secure the outlet through the panel.



Internal Corners

We recommend a simple lap-join install. If the opposite end of your wall has an exposed edge, we recommend starting the install from that end, and cutting the final panel to fit into this lap join.



For further installation details, please refer to the Groove Installation Guide.



Color

Cube™ Colors

Groove panels are available in the full range of Cube™ colors.



Pavilion



Opera



Parthenon



Senado



Beehive



Terrace



Canyon



Sargazo



Savoye



Colosseum



Rushmore



Flatiron



Cavalier



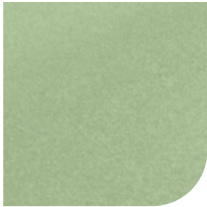
Falling Water



Muralla



Pinnacle



Acros



Highland



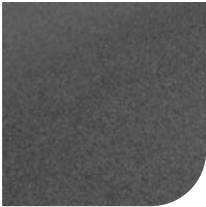
Gherkin



Tree House



Caspian



Herald



Empire



Petronas





Sound Materials

We're on a positive journey towards momentous change. It's about winning for the planet and its people, making a difference for healthy generations to come.

Sustainability is ingrained in everything we do, from fiber to finish. Our commitment to doing good now and in the future drives us to continuously evolve our practices, design with integrity, and take responsibility for the impact of our products. Our five sustainability pillars reflect this ethos, guiding our actions and shaping our decisions. Together, these pillars form a system that ensures our materials, products, and processes contribute meaningfully to a more sustainable world.



01



Climate change demands climate action

We are carbon neutral in everything we do.

02



Closing the loop

We are advocates for closing the loop on waste. We design with circularity front of mind.

03



Sustainable supply chain

We carefully select responsible suppliers and take action to mitigate unethical practices, and encourage good working conditions.

04



Supporting wellbeing in buildings

All our products are made using only safe materials. No harmful chemicals are present in our products.

05



Operating a business for purpose and profit

We strive to have a positive impact on our environment, our people, and the next generation.

Credentials

Sustainability isn't just a feature—it's a foundation. Our products are independently certified by trusted third-party certifications and labels to meet rigorous environmental and performance standards.

Our products also meet criteria for WELL, LEED, Green Star, and BREEAM building rating systems, helping you achieve certification for your project.



Declare.





Our Journey to Nature Positive

We want to make a material difference to the planet and its people. That's why we're not resting on achieving carbon neutrality across the organization and our products.

We're on a journey committed to Nature Positive, which ultimately delivers systems and products that contribute to biodiversity replenishment, carbon sequestration, and many positive environmental outcomes.

It's manufacturing that cares for human beings and the generations to come.

1967

Founded in Auckland, NZ, creating underfelt for the flooring industry.



1990

Established on-line recycling systems.



2020

Dematerialization project, which reduced raw material by 30% for core product.



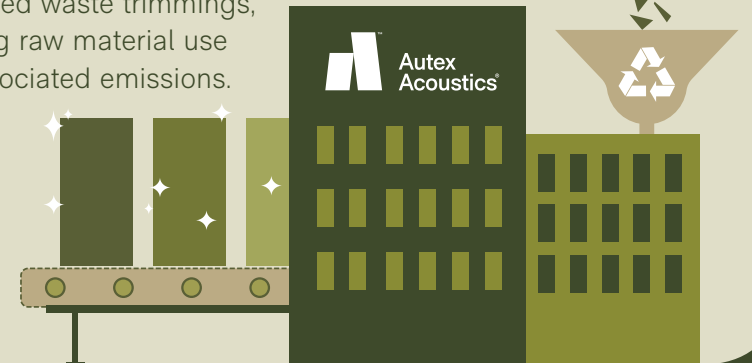
2017

First Environmental Product Declarations (EPDs) were published and started measuring GHG emissions.



2012

Reclaimed waste trimmings, reducing raw material use and associated emissions.



2021

We balanced all emissions from our acoustic products to zero.



0kg



2022

We balanced all emissions from our global operations to zero.

-8.6kg



2025

We received the first NaturePositive+ Declaration in the construction industry for our first carbon negative product we launched in New Zealand. It uses a material with a -8.6 CO₂e carbon footprint.



Technical Information

Overview

NRC	0.30 - 0.80
Content	100% PET, min. 80% recycled
Form	Panel
Dimensions	47 1/4" x 110" (1200mm x 2794mm)
Thickness	3/8" (9mm), 1" (24mm)
Origin	Fabricated in the USA

Acoustic Performance

Groove is specifically designed to reduce and control reverberation and echo noise in building interiors.

Groove is made from Cube as the base material.

	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
3/8" Cube		0.00	0.05	0.15	0.40	0.70	0.85	0.30
3/8" Cube (with 1/4" air gap)		0.00	0.05	0.15	0.45	0.75	0.95	0.35
3/8" Cube (with 1" air gap)		0.05	0.10	0.35	0.75	0.95	0.95	0.55
1" Cube		0.05	0.20	0.60	0.90	1.00	1.00	0.70
1" Cube (with 1" air gap)		0.15	0.40	0.85	0.95	0.95	0.95	0.80

Fire Considerations

ASTM E-84-15a: **Class A rating**
(Tests RJ9445F-1a, T2604-13, T2604-12, RJ4479-1, and RJ4479-2)

CAN/ULC-S102 (Test QA-2243F-3) 3/8" only

Fire test reports available on request.

Twenty Year Manufacturer's Guarantee

Product Specifications

- Hard body impact**

There is no surface damage or penetration when subjected to hard body impacts. When adhered to 0.39" (10mm) plasterboard, the system can resist a 9 joule impact.
- Soft body impact**

There is no surface damage or penetration when subjected to soft body impacts. When adhered to 0.39" (10mm) plasterboard, the system can resist a 70 joule impact.

- Microbial resistance (ASTM G21-15):**

Growth rating: 0
- Color fastness to light (ISO 105-B02:2014):**

Rating: 6
- Determination of colorfastness to rubbing (ISO 105-X12:2016):**

Dry assessment: 4 - 5
Wet assessment: 4 - 5
- Average % of water vapor sorption by weight after four days:** 0.4%

For care and maintenance guidance, view the product Care and Maintenance Guide.

