

Specification Guide

Groove™ Wall Tiles are made with advanced router-cutting technology. Each tile starts as a high-quality acoustic panel, then undergoes detailed cutting to create intricate geometric patterns. This process ensures clean, consistent lines across every tile. The modular format allows for creative freedom; tiles can be rotated and rearranged to form unique variations within a single design style, giving you endless possibilities for wall layouts.

In everything we do



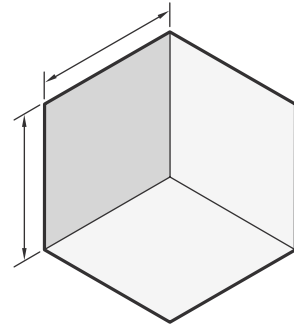
Groove™ Wall Tiles



Essential Information

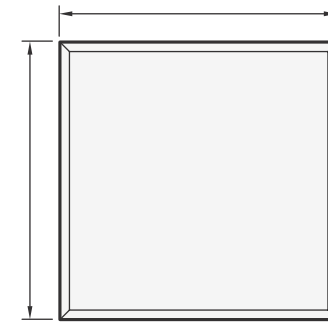
1. Space

What are the dimensions of the space you are designing?



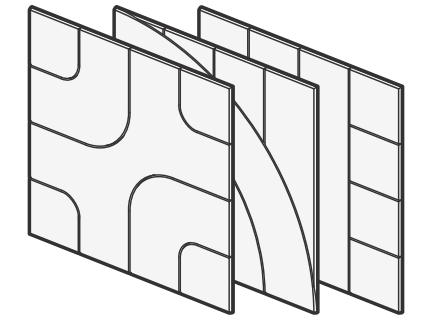
2. Size

What tile dimensions are available?



3. Style

What styles are available?

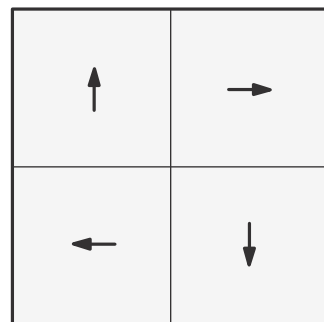


[Page 3](#)

[Page 4](#)

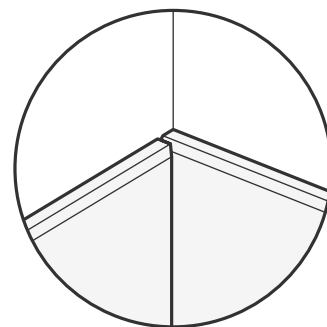
4. Layout

What orientations are possible?



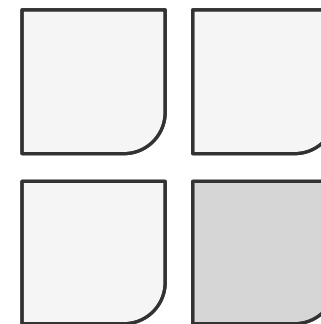
6. Detail Considerations

What install details should I consider?



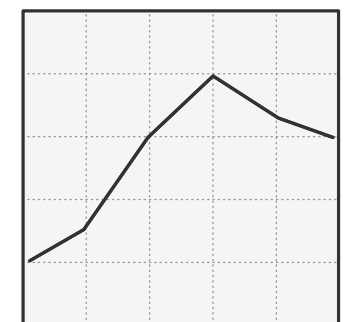
7. Colours

What colours and finishes are available?



8. Technical Information

What are the technical specifications?



[Page 5 - 12](#)

[Page 13](#)

[Page 14](#)

[Page 17](#)



Quick Reference

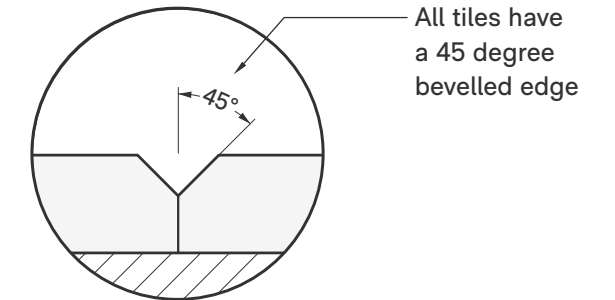
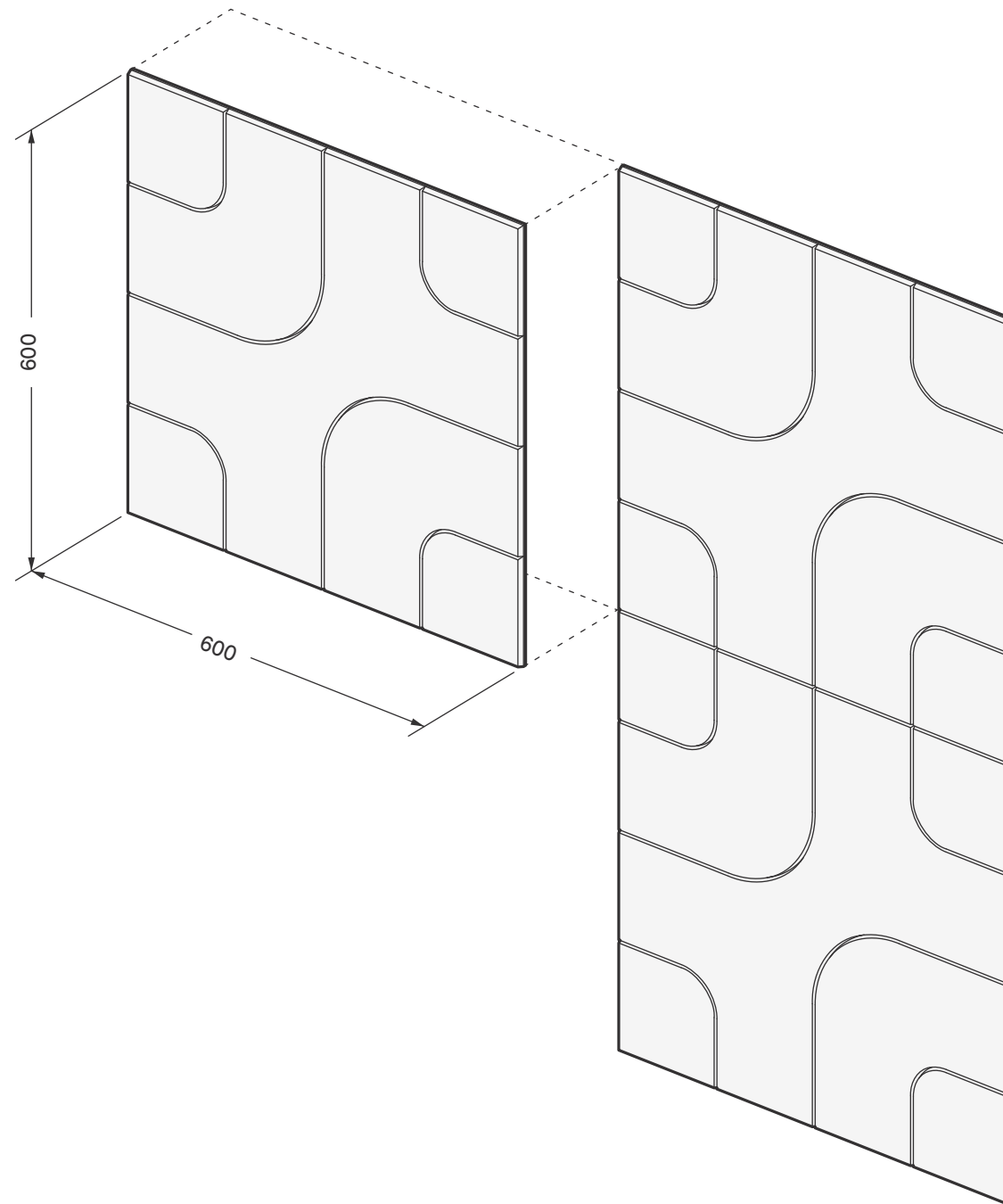
Tiles Dimensions

Tile Size 600mm x 600mm
Thickness 12mm and 24mm
See layouts page for added detail and options

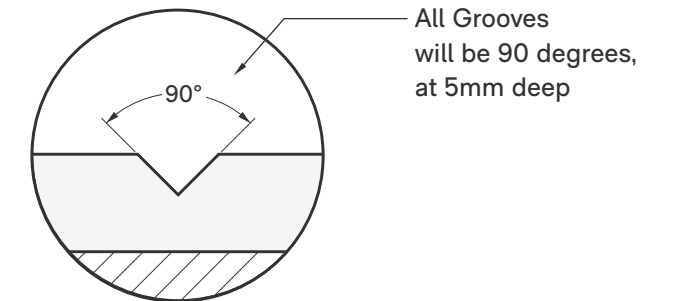
Connection

Peel-and-Stick All tiles come with pre-applied Peel-and-Stick adhesive backing as standard

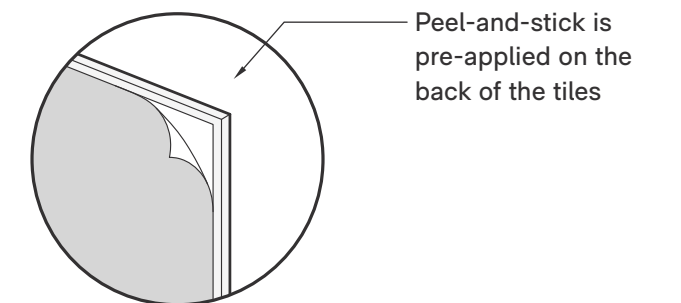
See Product Installation Guide for further details



Edge Detail



Groove Detail

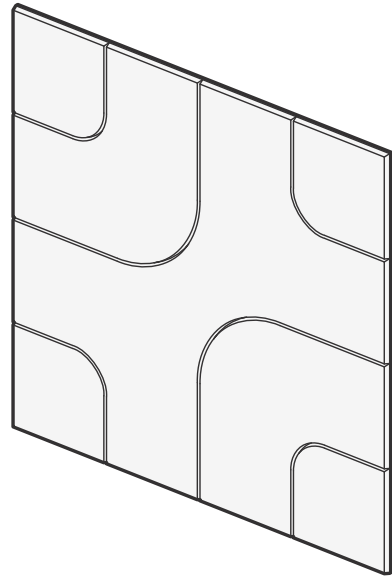


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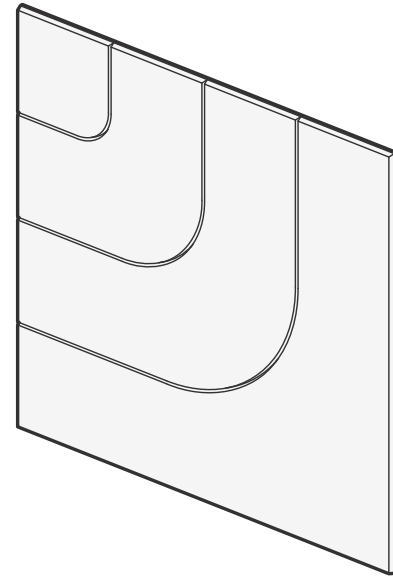


Styles Overview

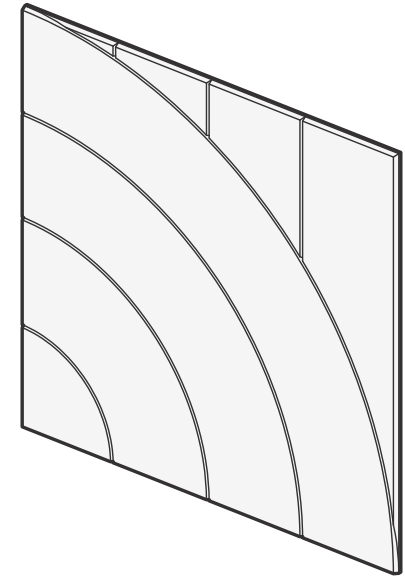
Intersect



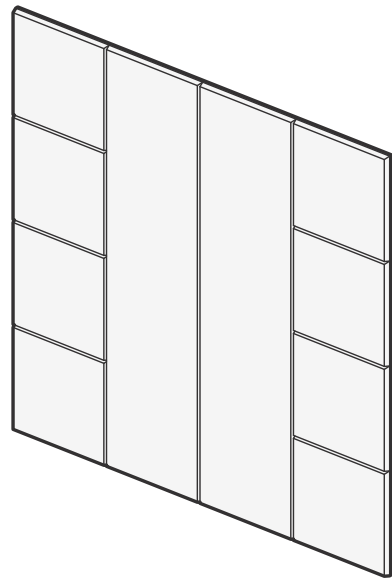
Track



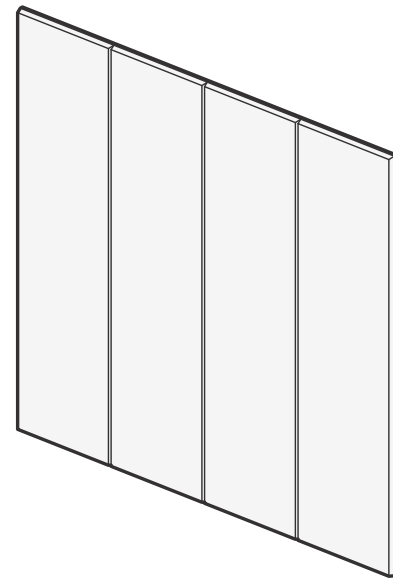
Sweep



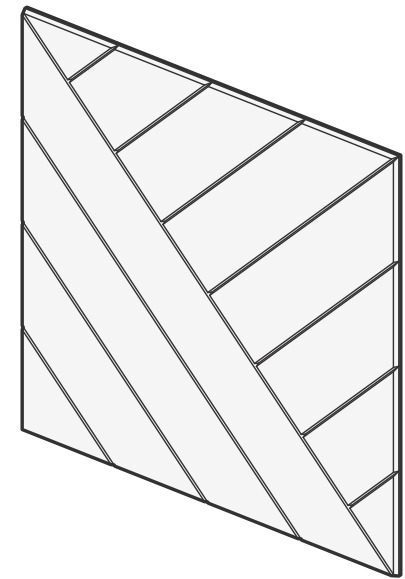
Weave



Rail



Switch

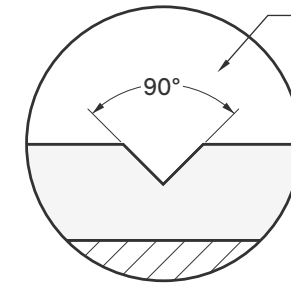




Intersect

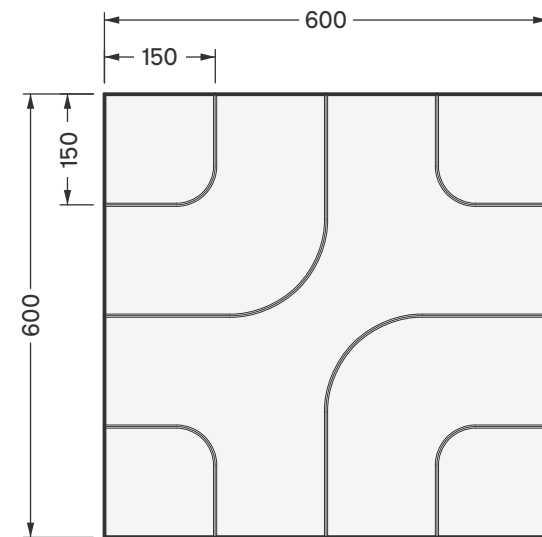
- The Groove pattern on each tile maintains a 150mm x 150mm grid, allowing tiles to match horizontally, vertically, and when rotated
- There is more flexibility to install tile patterns as desired, these are suggested layouts to get you started

See [Combined Layouts](#) pages for further options



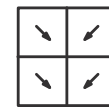
All Grooves will be 90 degrees, at 5mm deep

Tile Design



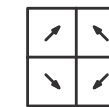
Layout 1

Representation of 8 tiles



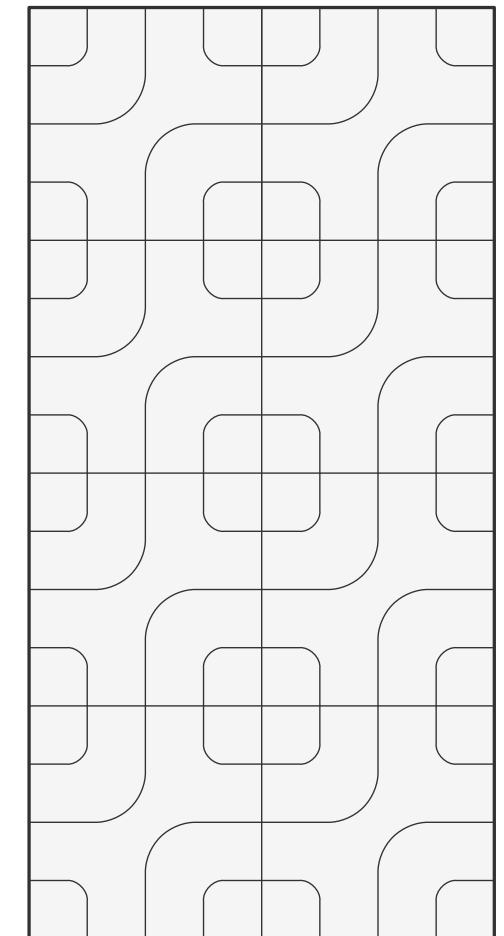
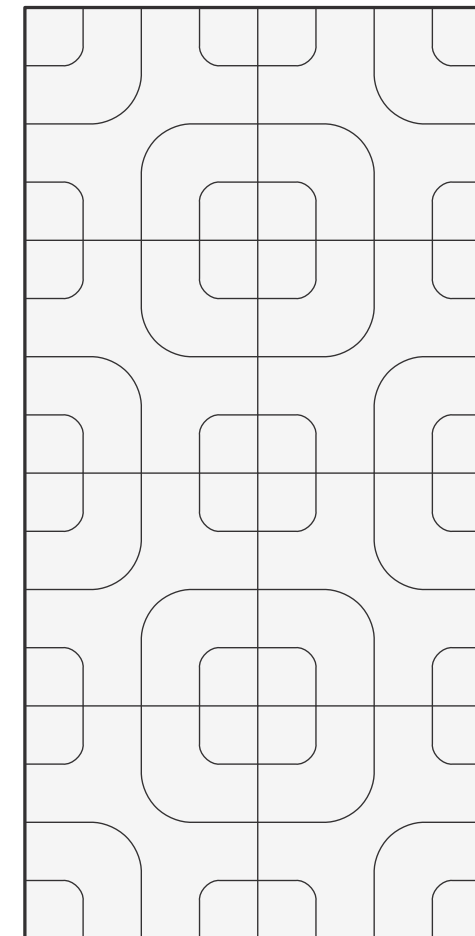
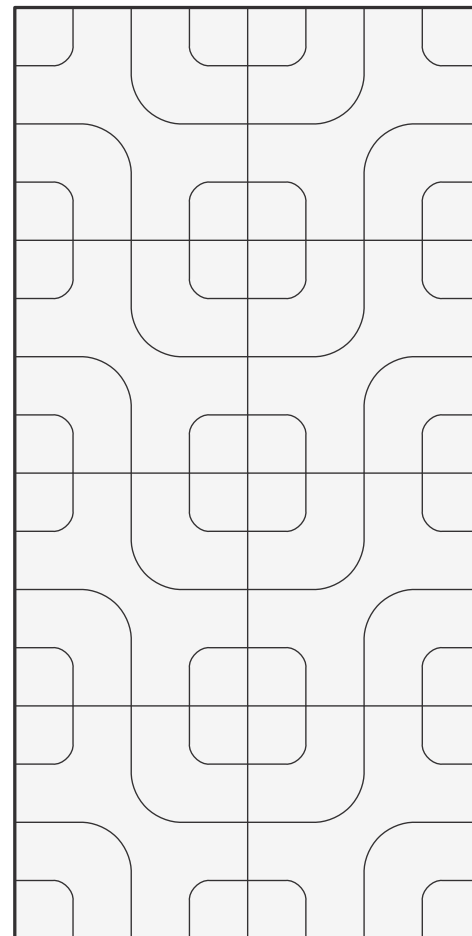
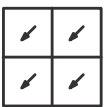
Layout 2

Representation of 8 tiles



Layout 3

Representation of 8 tiles

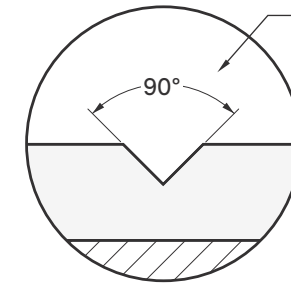




Track

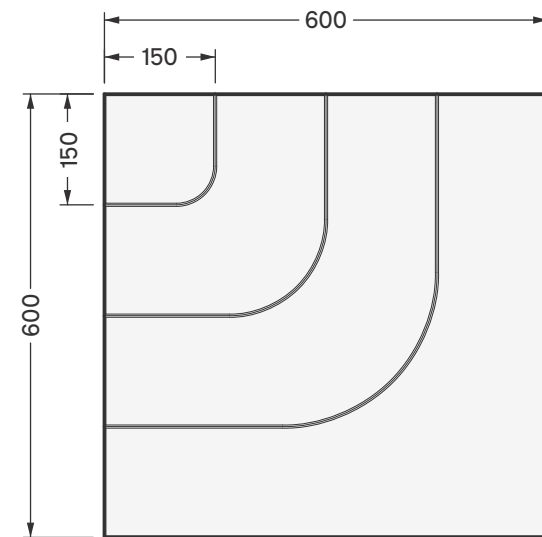
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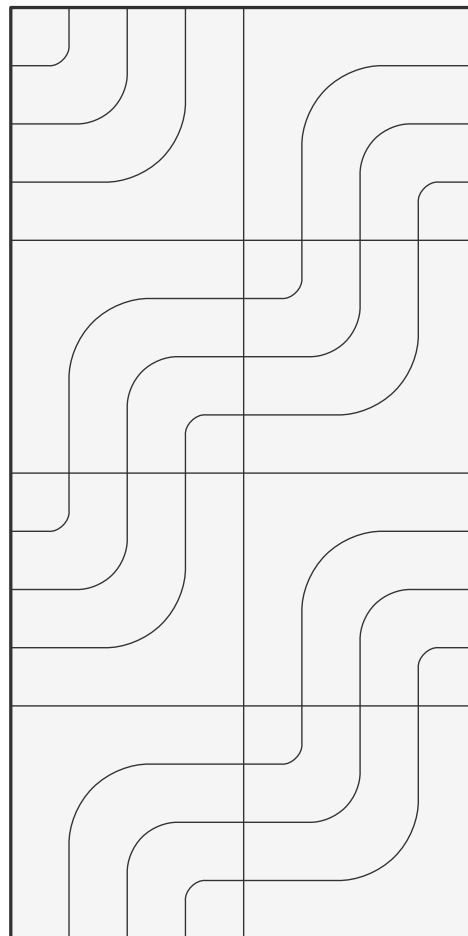
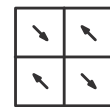
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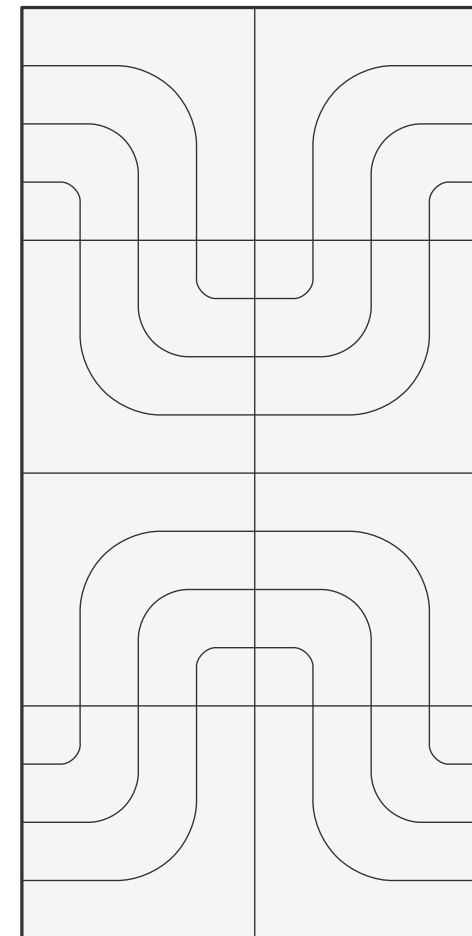
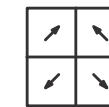
Layout 1

Representation of 8 tiles



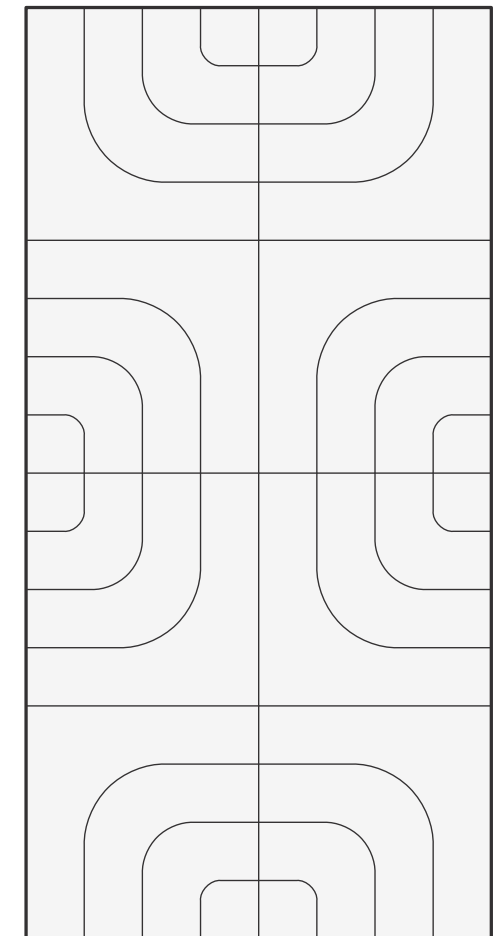
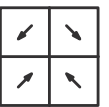
Layout 2

Representation of 8 tiles



Layout 3

Representation of 8 tiles

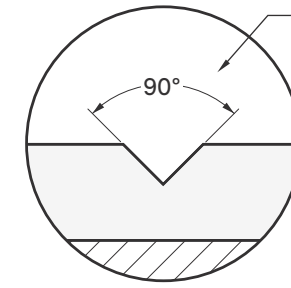




Sweep

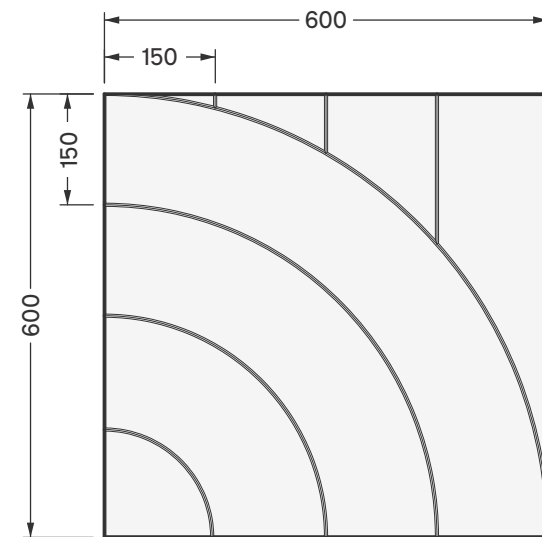
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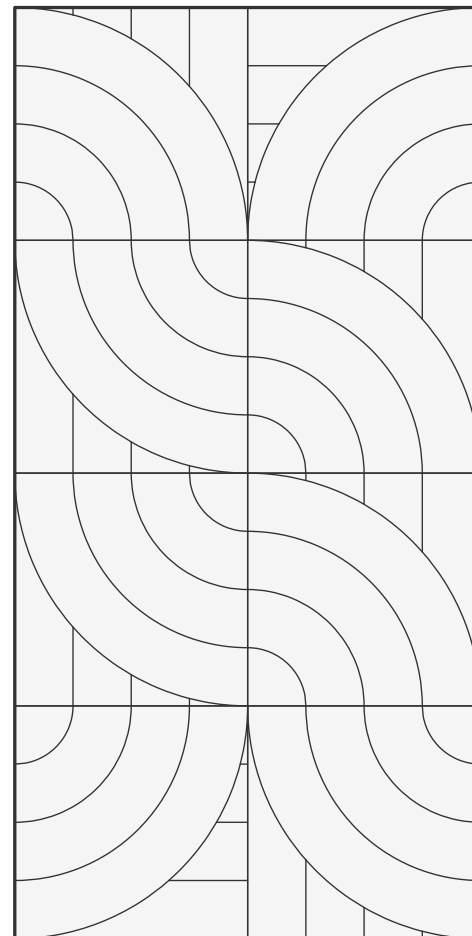
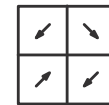
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Tile Design



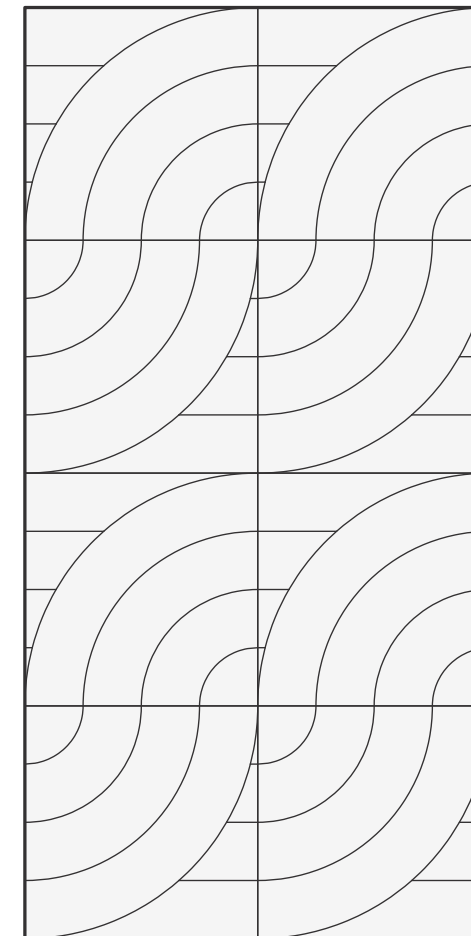
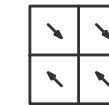
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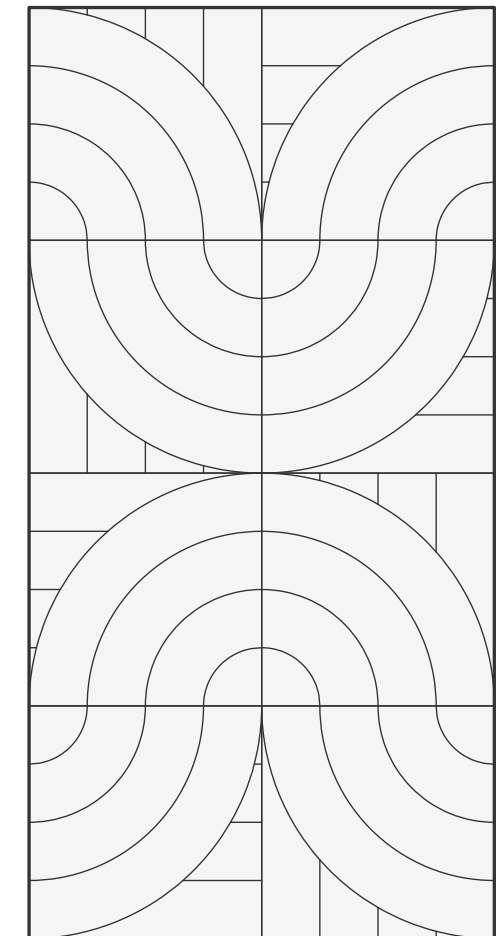
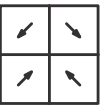
Layout 2

Representation of 8 tiles



Layout 3

Representation of 8 tiles

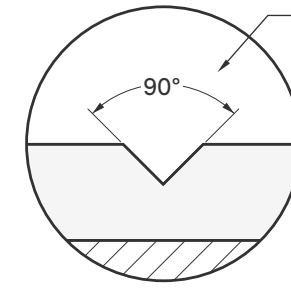




Weave

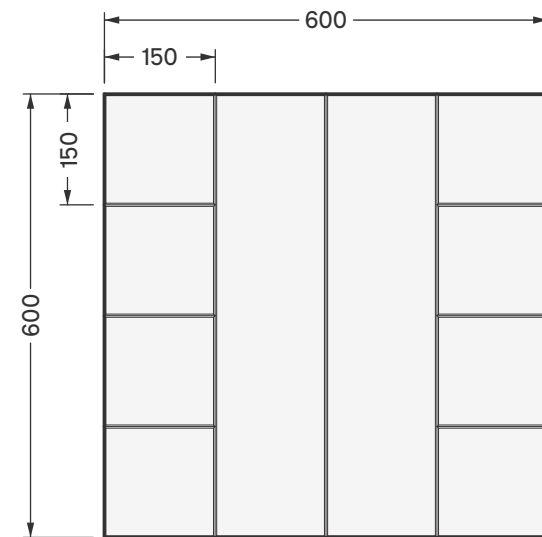
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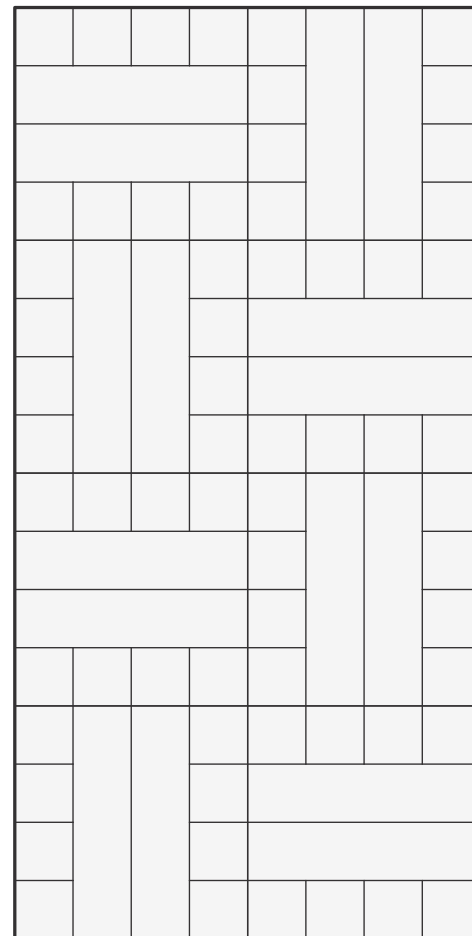
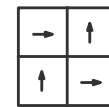
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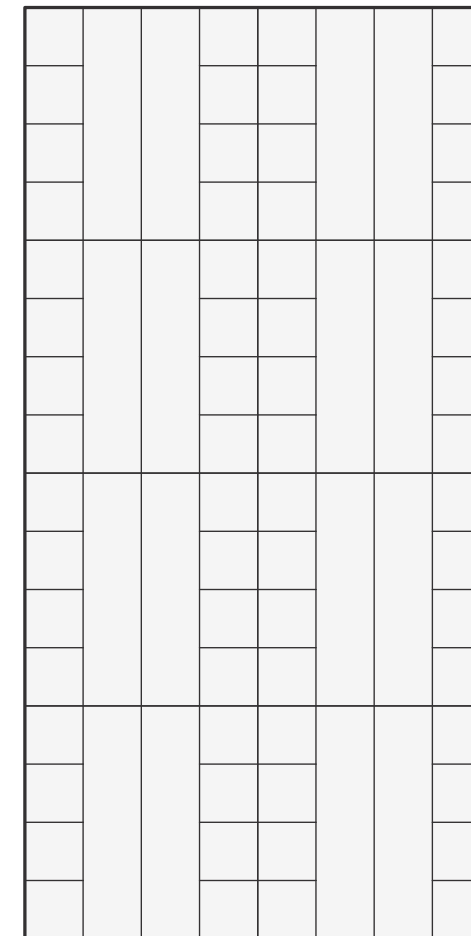
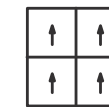
Layout 1

Representation of 8 tiles



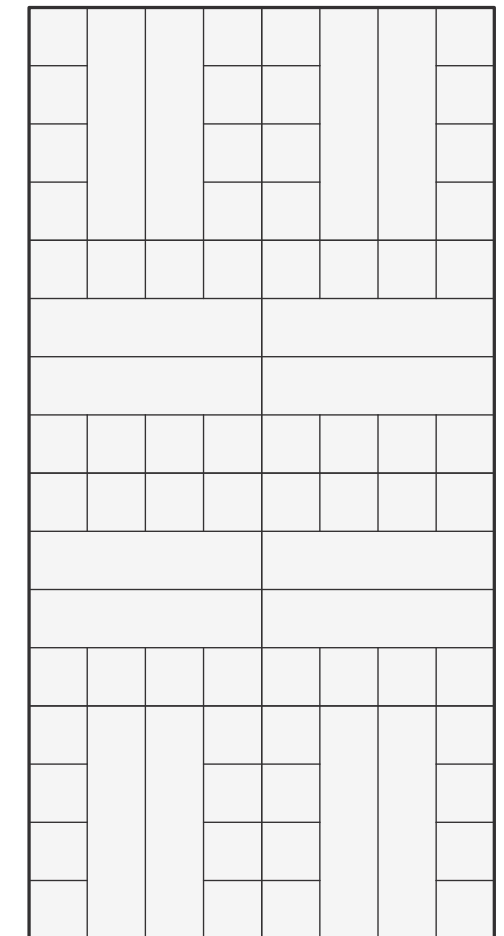
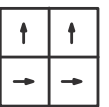
Layout 2

Representation of 8 tiles



Layout 3

Representation of 8 tiles

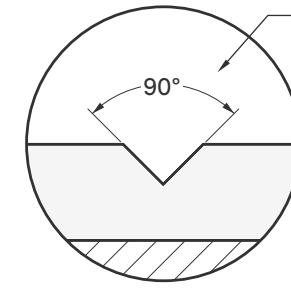




Rail

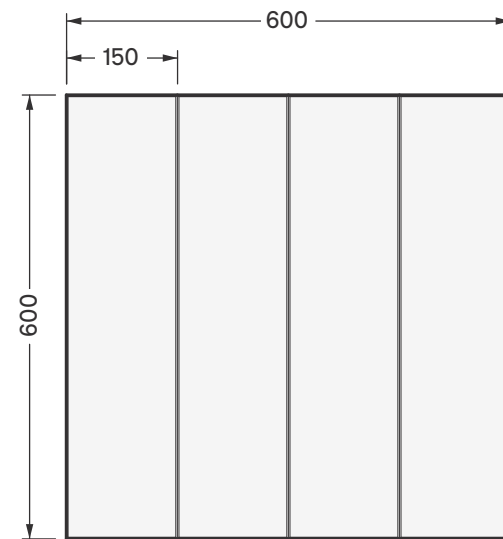
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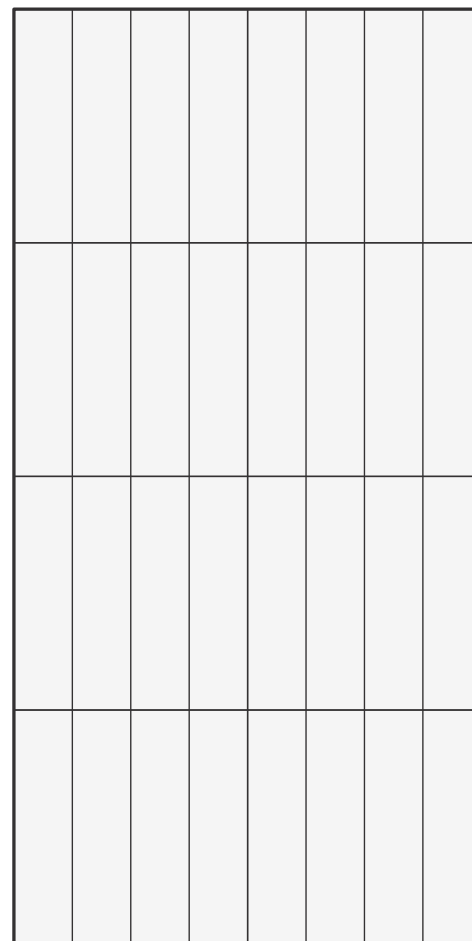
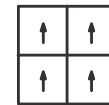
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Tile Design



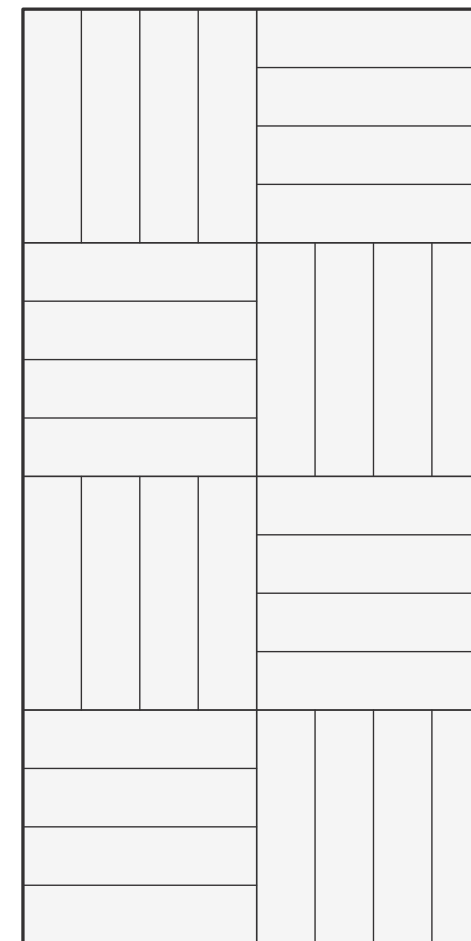
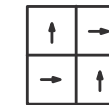
Layout 1

Representation of 8 tiles



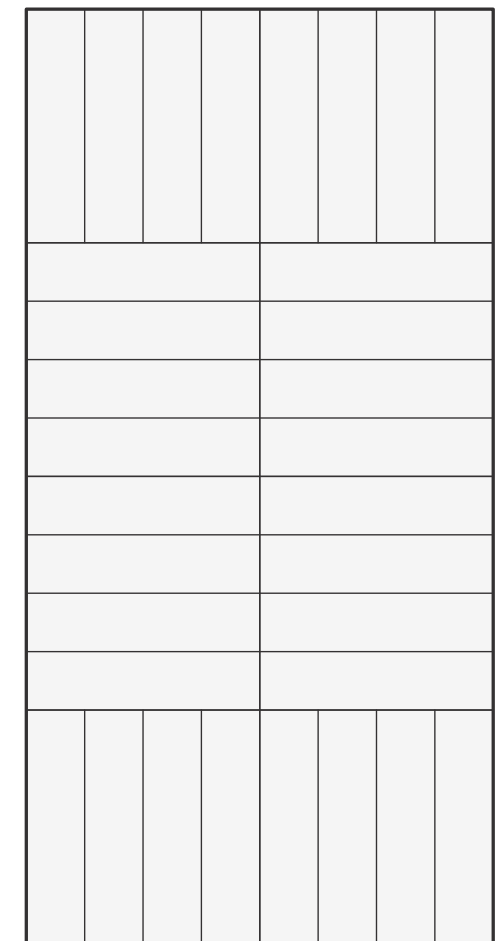
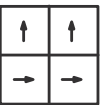
Layout 2

Representation of 8 tiles



Layout 3

Representation of 8 tiles

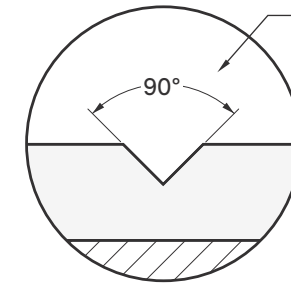




Switch

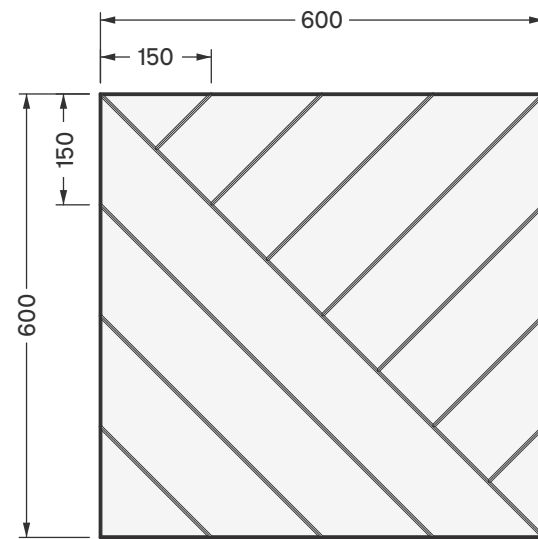
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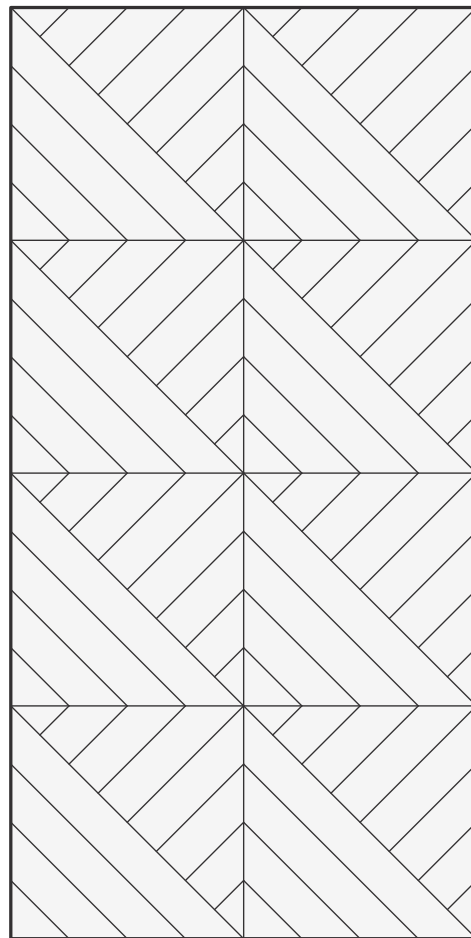
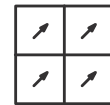
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Tile Design



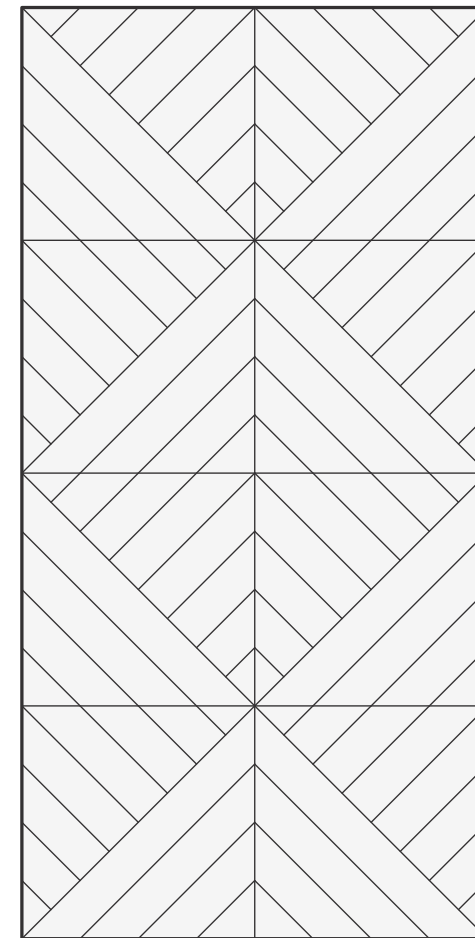
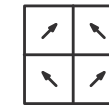
Layout 1

Representation of 8 tiles



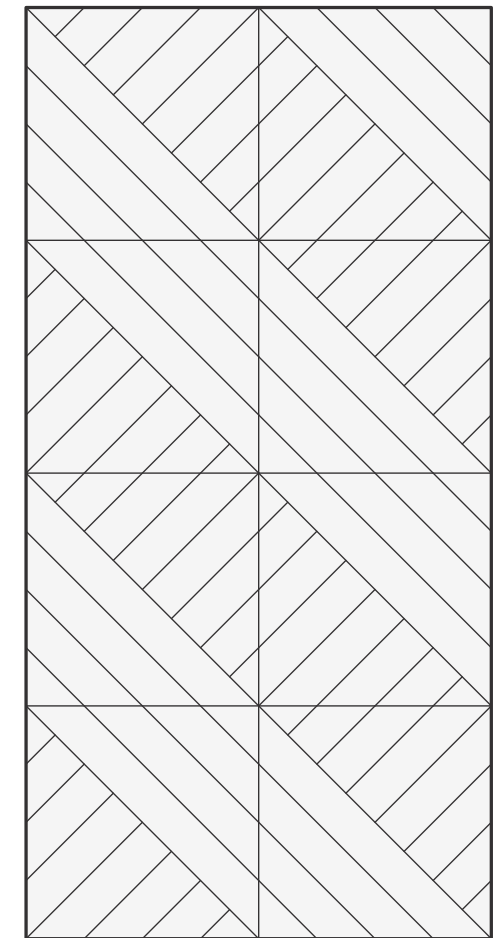
Layout 2

Representation of 8 tiles



Layout 3

Representation of 8 tiles





Combined Layouts

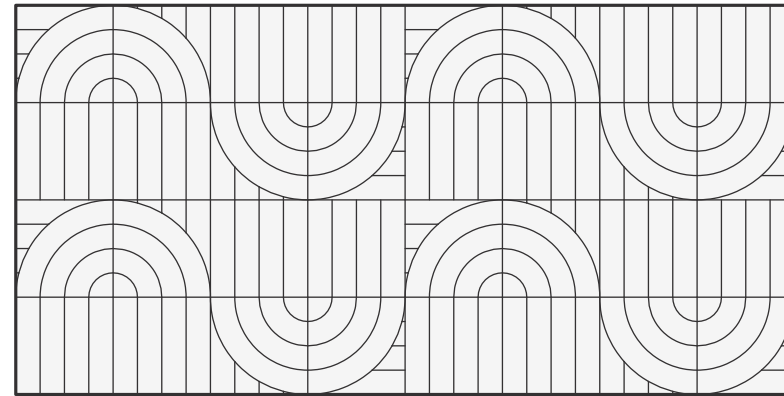
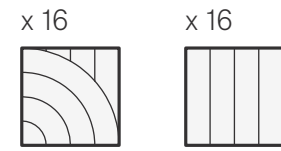
As all styles follow the same grid measurements, every style can be combined to create an extensive range of unique patterns.

Below are a selection of designs that can be produced, although more are possible.

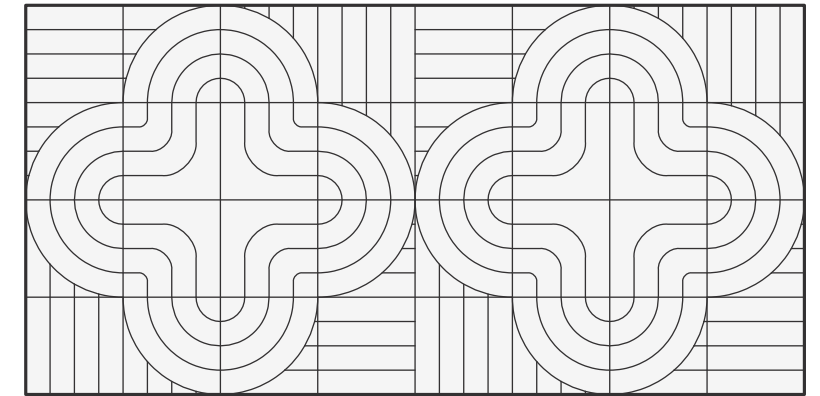
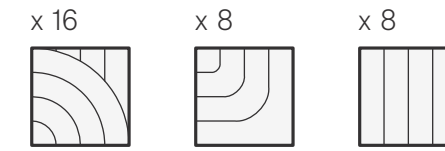
Each layout shows 32 tiles.

Quantities of each tile are shown above each layout.

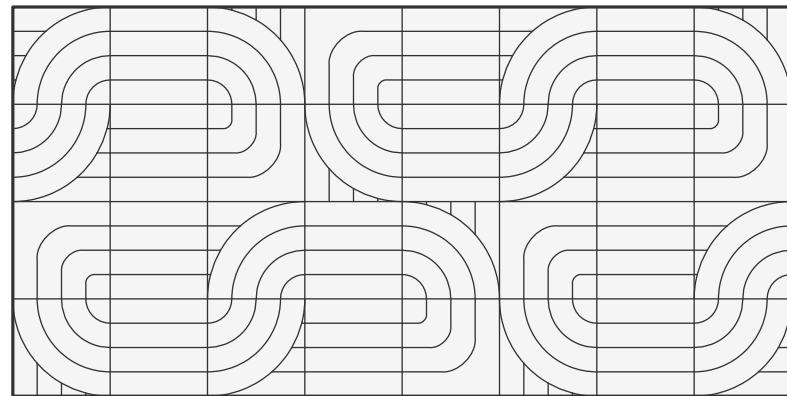
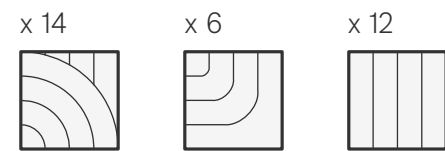
Sweep and Rail



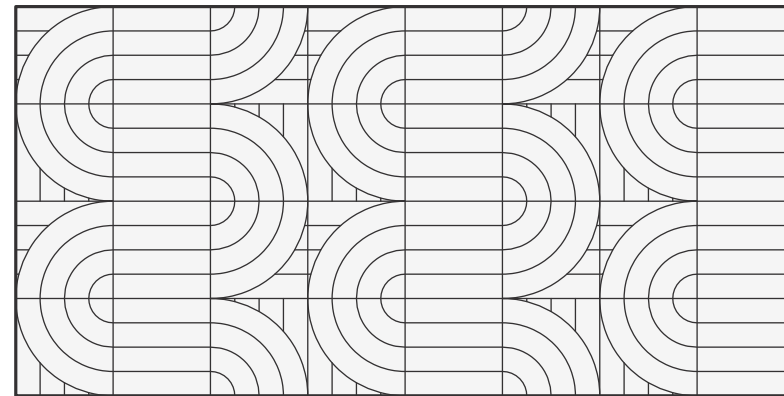
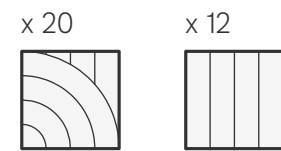
Sweep, Track, and Rail



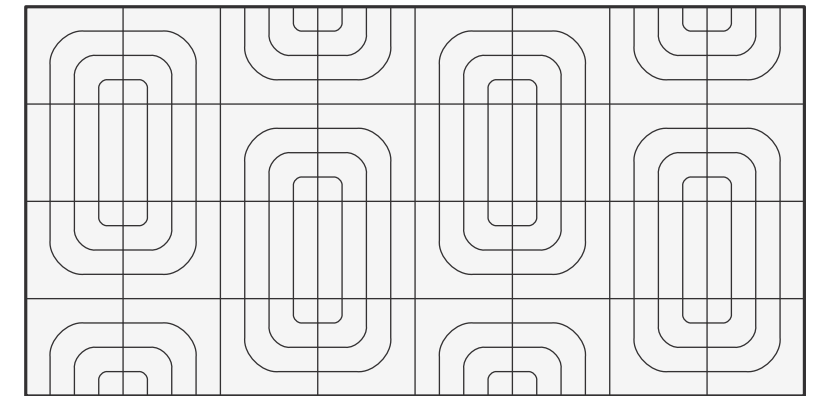
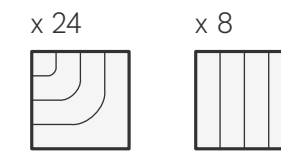
Sweep, Track, and Rail



Sweep and Rail



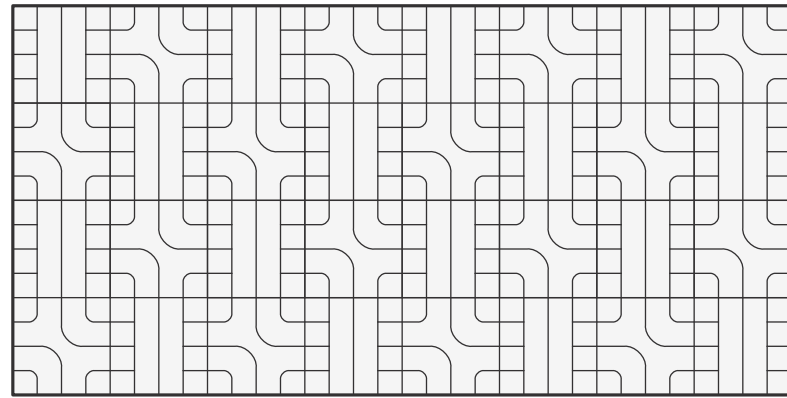
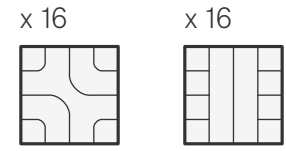
Track and Rail



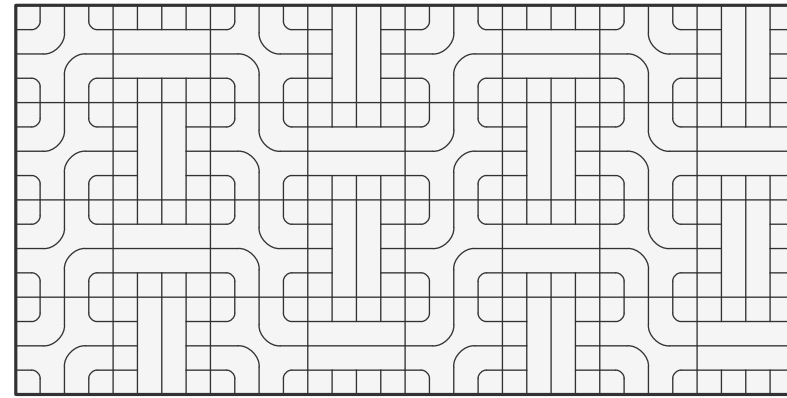
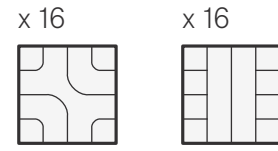


Combined Layouts

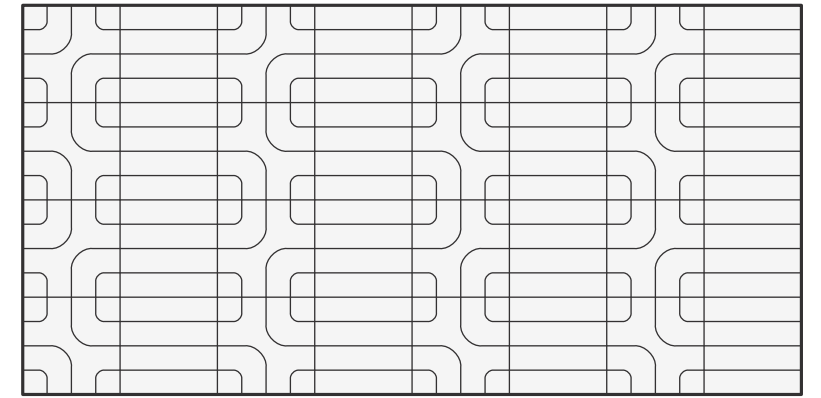
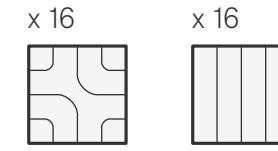
Intersect and Weave



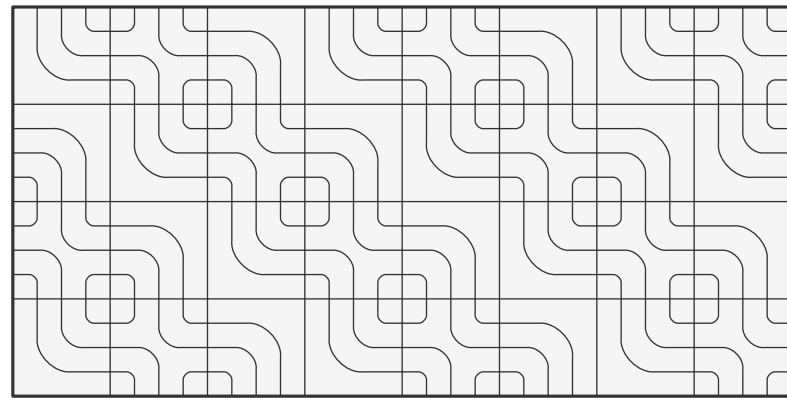
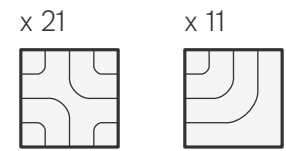
Intersect and Weave



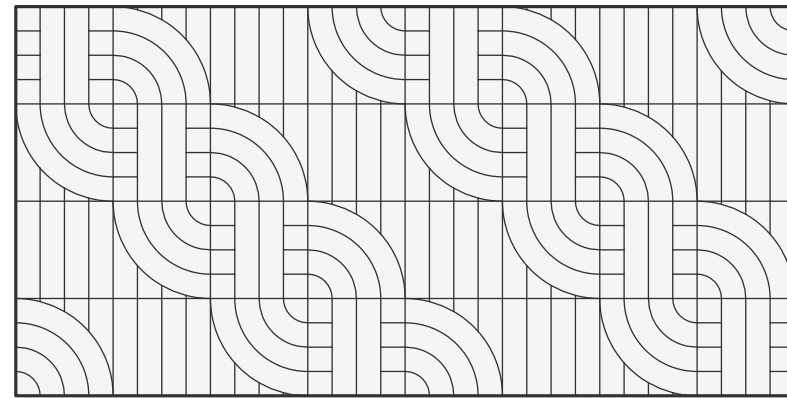
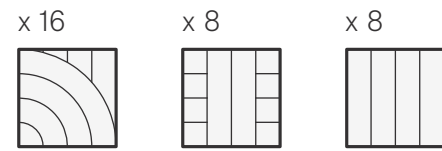
Intersect and Rail



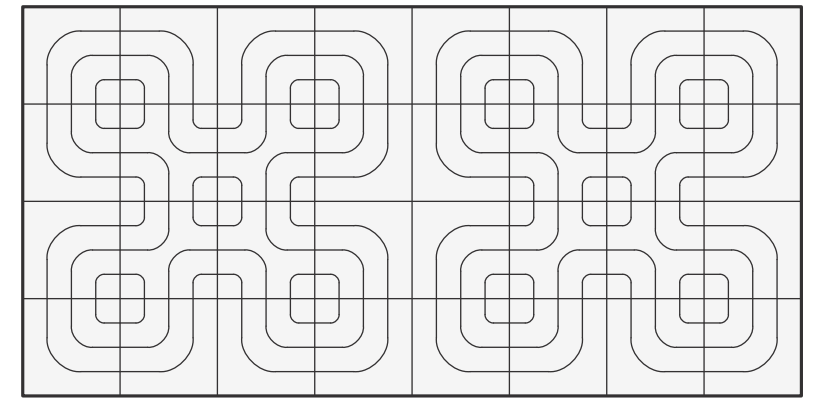
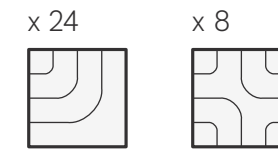
Intersect and Track



Sweep, Weave, and Rail



Track and Intersect

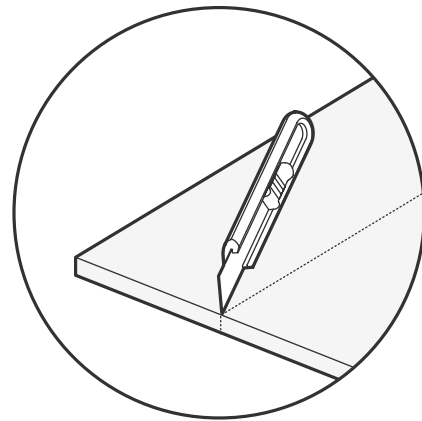




Detail Considerations

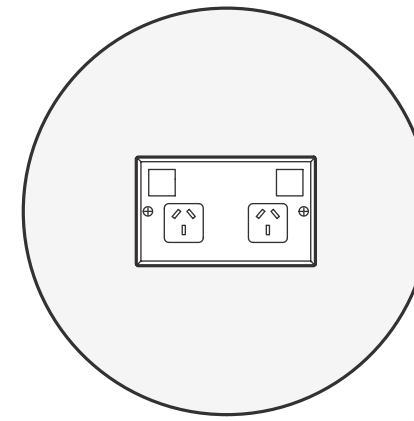
Trimming Tile

Groove Wall Tiles can be cut on-site if required.
We recommend using a snap blade knife and a straight edge.



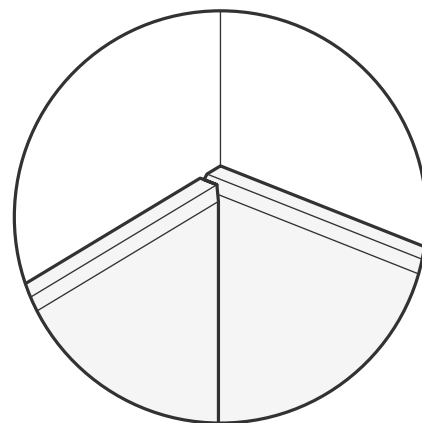
Power Outlets and Light Switches

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



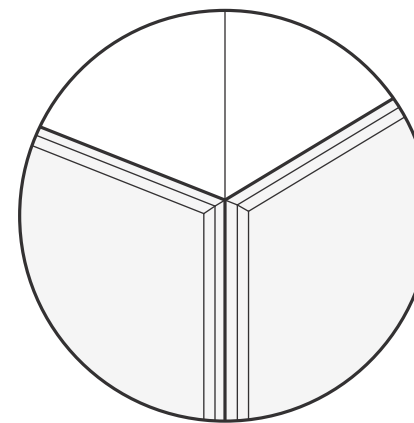
Internal Corners

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



External Corners

Tile edges can be aligned to the wall edge when installed.
We recommend this treatment for both walls in a wrap-around detail.



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



Colours

Cube™ Colours

Groove Wall Tiles are available in the full range of Cube™ colours.



Pavilion



Opera



Parthenon



Senado



Beehive



Terrace



Canyon



Sargazo



Savoie



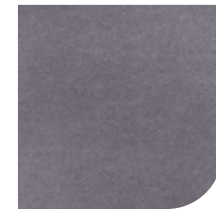
Colosseum



Rushmore



Flatiron



Cavalier



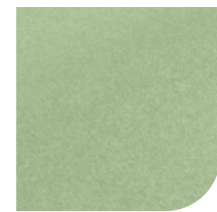
Falling Water



Muralla



Pinnacle



Acros



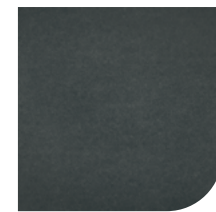
Highland



Gherkin



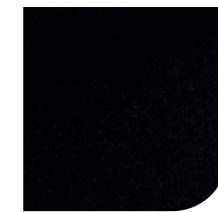
Tree House



Caspian



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 fibre 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 organisation and our products.

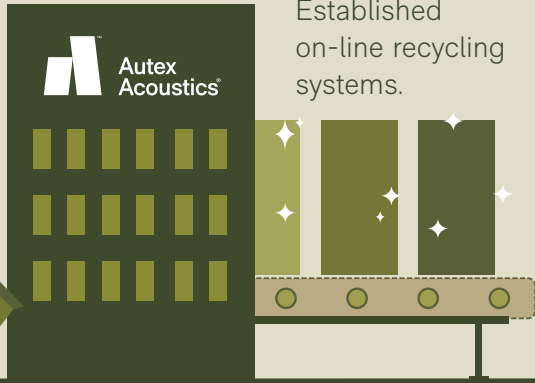
We're on a journey committed to Nature Positive, which ultimately delivers systems and products that contribute to biodiversity replenishment, carbon sequestration, and many positive environmental outcomes.

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 use 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.



2022
We balanced all emissions from our global operations to zero.



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	0.45 - 0.70
Content	100% PET, min. 80% recycled
Form	Tile
Dimensions	600mm x 600mm
Thickness	12mm and 24mm
Origin	Made in New Zealand

Acoustic Performance

Groove Wall Tiles are specifically designed to reduce and control reverberation and echo noise in building interiors.

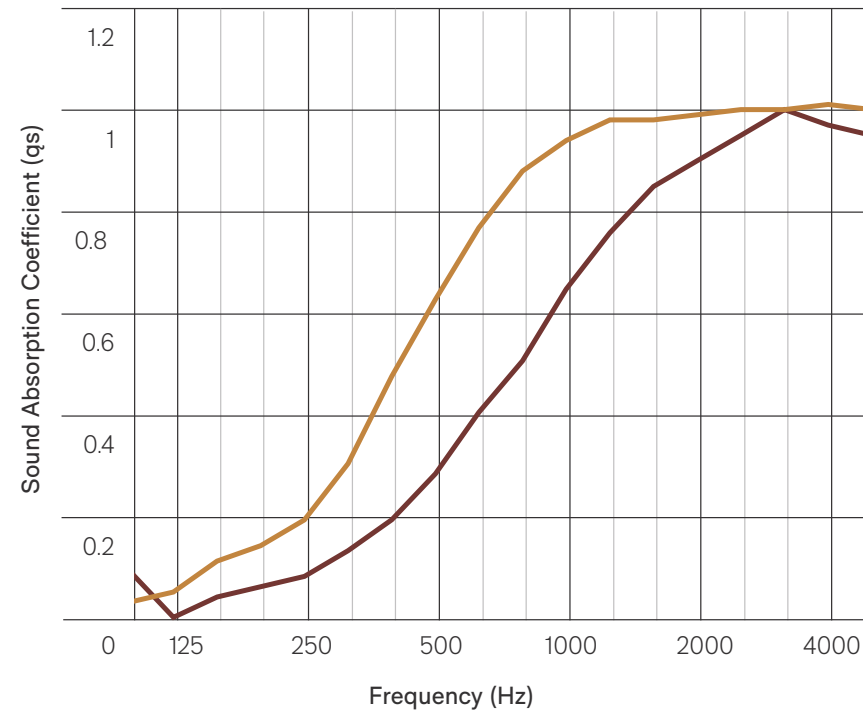
Groove Wall Tiles are made from Cube™ as the base material.

	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
● 12mm Cube		0.05	0.10	0.30	0.65	0.90	0.95	0.45
● 24mm Cube		0.05	0.20	0.60	0.90	1.00	1.00	0.70

Fire Considerations

ISO 9705: 1993
 Classification: **Group 1-S**
 Fire test report available on request.

Ten 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 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 10mm plasterboard, the system can resist a 70 joule impact.

Microbial resistance (ASTM G21-15):
 Growth rating: 0

Colour fastness to light (ISO 105-B02:2014):
 Rating: 6

Determination of colourfastness to rubbing (ISO 105-X12:2016):
 Dry assessment: 4 - 5
 Wet assessment: 4 - 5

Average % of water vapour sorption by weight after four days: 0.4%

For care and maintenance guidance, refer to the Autex Acoustics Care and Maintenance Guide.

