



V-Groove Acoustic PET Felt Wall Panels

PRODUCTS SHEET



V-Groove Acoustic PET Felt Wall Panels

Acoustic V-Groove Wall Panels introduce striking visual depth to ARKETA acoustic sheets, offering both aesthetic refinement and effective acoustic performance in sound-sensitive environments.

Expanding the ARKETA pattern collection, V-Groove features elegant, curvilinear designs that connect seamlessly—enabling nearly limitless design combinations tailored to any space.

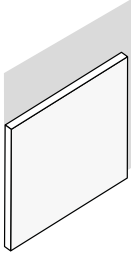
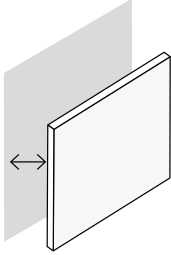
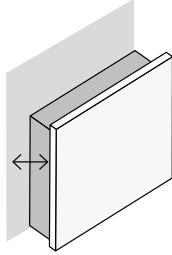
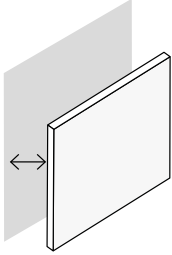
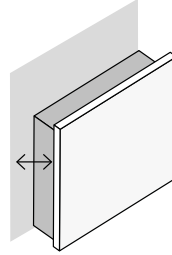
Designed for easy installation, V-Groove panels allow for continuous pattern alignment across large surfaces, making them ideal for full-wall applications that demand both acoustic control and architectural impact.

Specifications

COMPOSITION	60% Recycled Polyester (PET) (100% Pes)
THICKNESS & WEIGHT	9mm (±0.5mm) 2000 g/m ² (±10%), ARKETA 12mm (±0.5mm) 2400 g/m ² (±10%), ARKETA 9mm (±0,5 mm) 2200 g/m ² (± 10%), ICHOS 12mm (±0,5 mm) 2600 g/m ² (± 10%), ICHOS
SIZE	1200 x 2700 mm
ACOUSTIC	9mm NRC: 0.31 (No Air Gap) 12mm NRC: 0.40 (No Air Gap)
FIRE RETARDANT	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0
ENVIRONMENT	Non VOCs emission formaldehyde free and Phenol-free OEKO-TEX Class 1, Phthalate Free
LIGHT FASTNESS	4+ (ISO 105 - B02)
CLEANING	Vacuum regularly. Professionally dry clean or wipe clean with a dampcloth.



Acoustic Properties

Mounting method					
	Directly on the wall	50mm cavity	50mm cavity + 500mm low density felt	100mm cavity	100mm cavity + 100mm low density felt
NRC	0.30	0.65	1.00	0.80	1.00
α_w	0.25	0.50	1.00	0.85	1.00

NRC = Noise reduction coefficient
 α_w = Sound absorption coefficient

Key Features



ACOUSTIC



FIRE RATED



INSULATION



RESISTANT



RECYCLED



ECO-FRIENDLY



TACKABLE



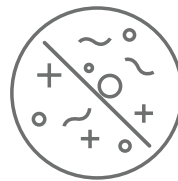
PRINTABLE



LIGHT



VOC - FREE

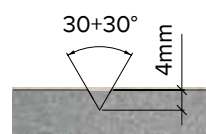
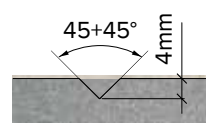
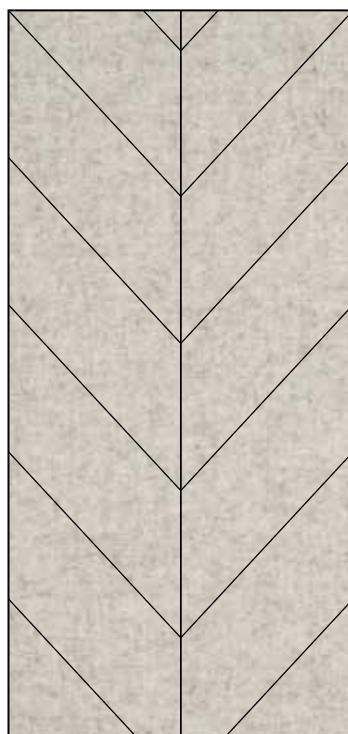


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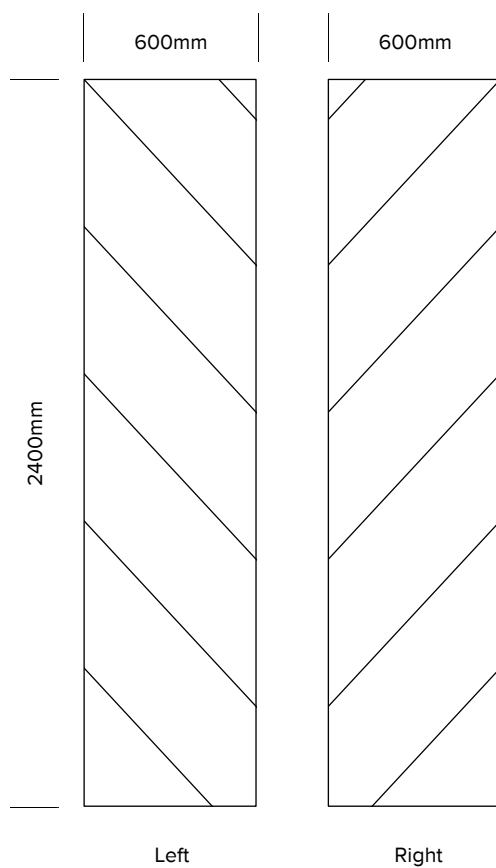


EASY TO CLEAN

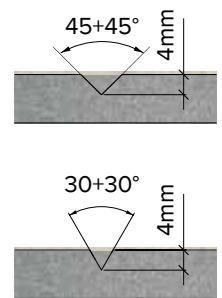
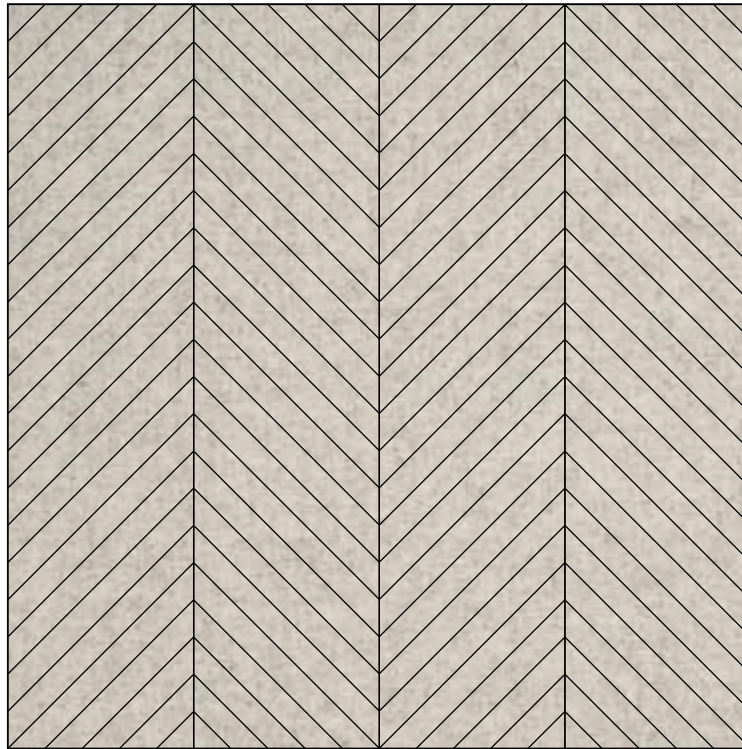
V-Groove Acoustic PET Felt Wall Panels



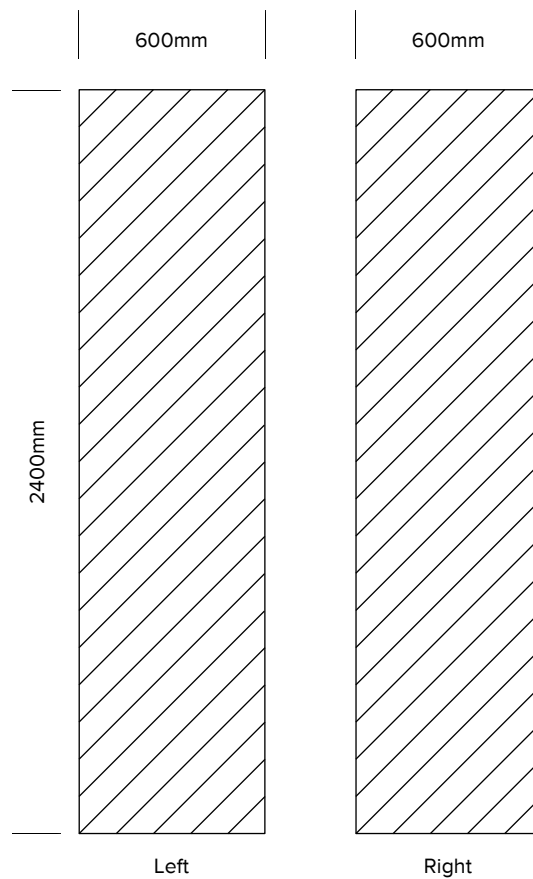
VGP-01



Thickness:
9mm, 12mm



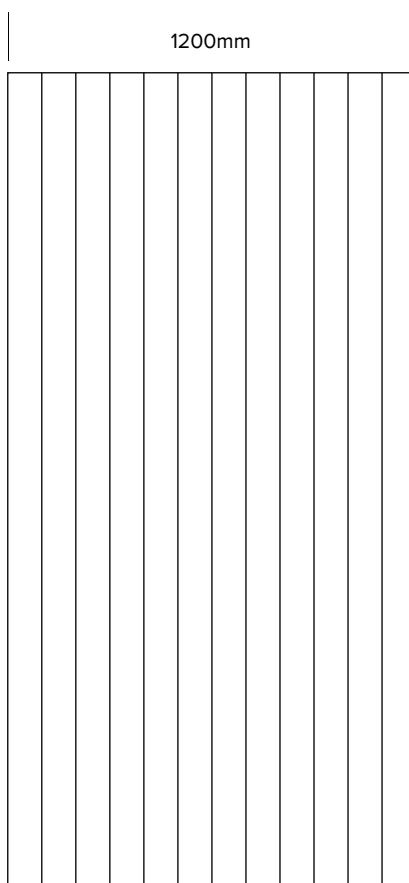
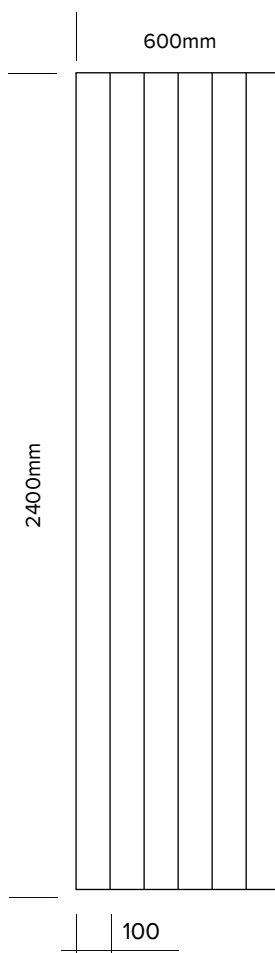
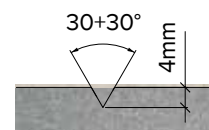
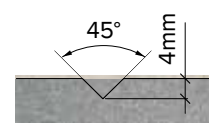
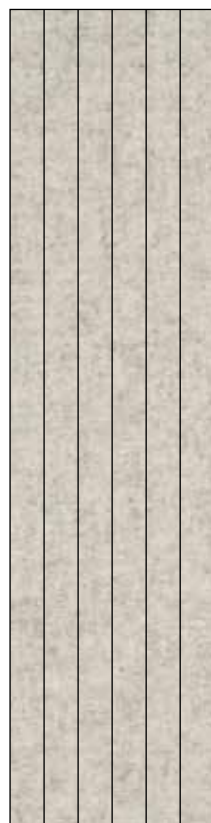
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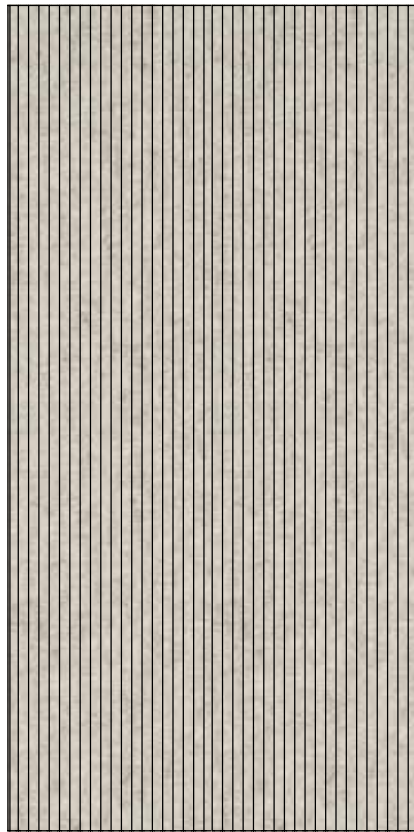
Thickness:
9mm, 12mm

V-Groove Acoustic PET Felt Wall Panels

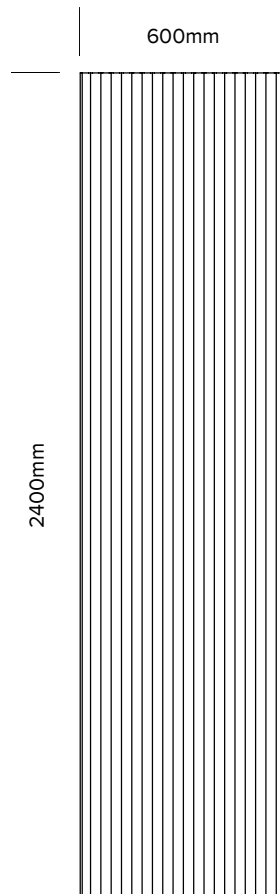
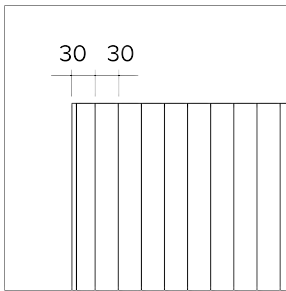
VGP-03



Thickness:
9mm, 12mm



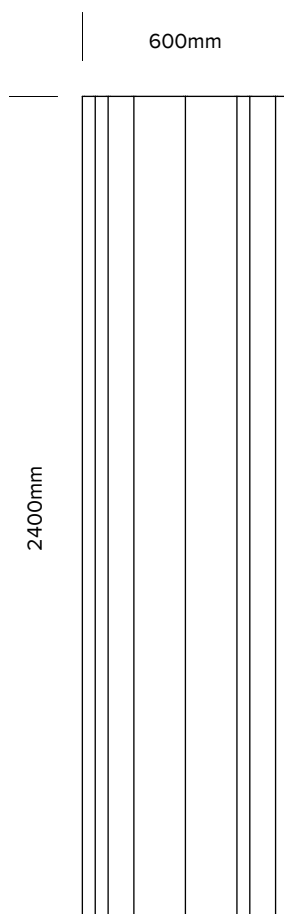
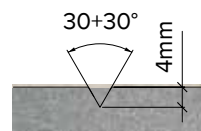
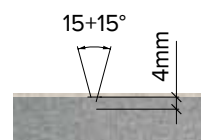
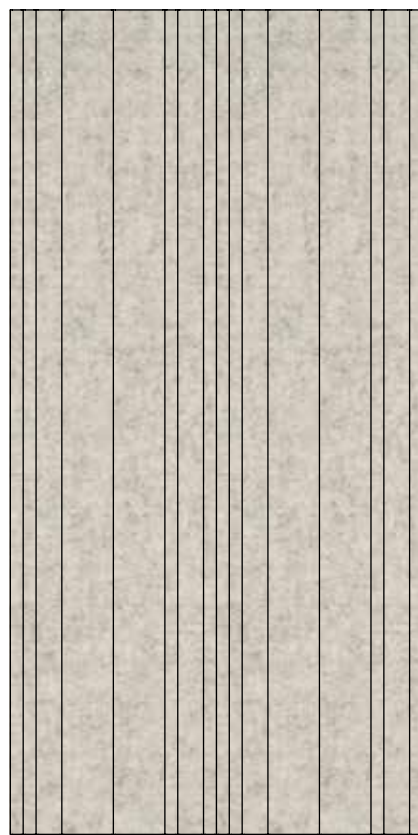
VGP-04



Thickness:
9mm, 12mm

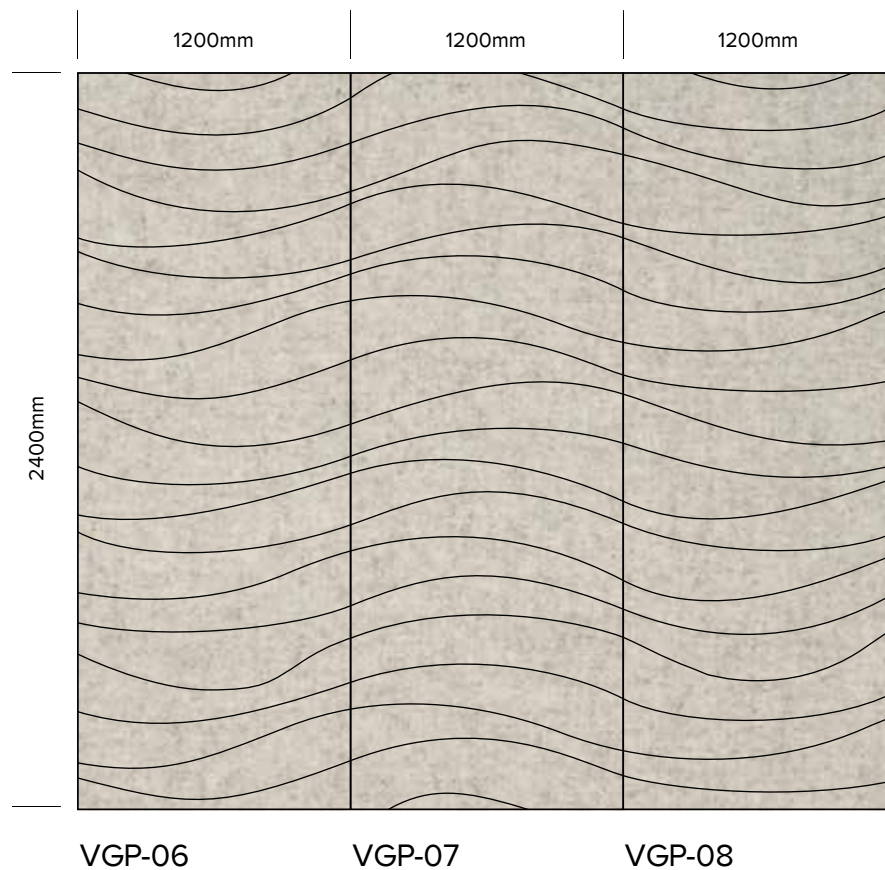
Acoustic V-Groove Wall Panels

VGP-05

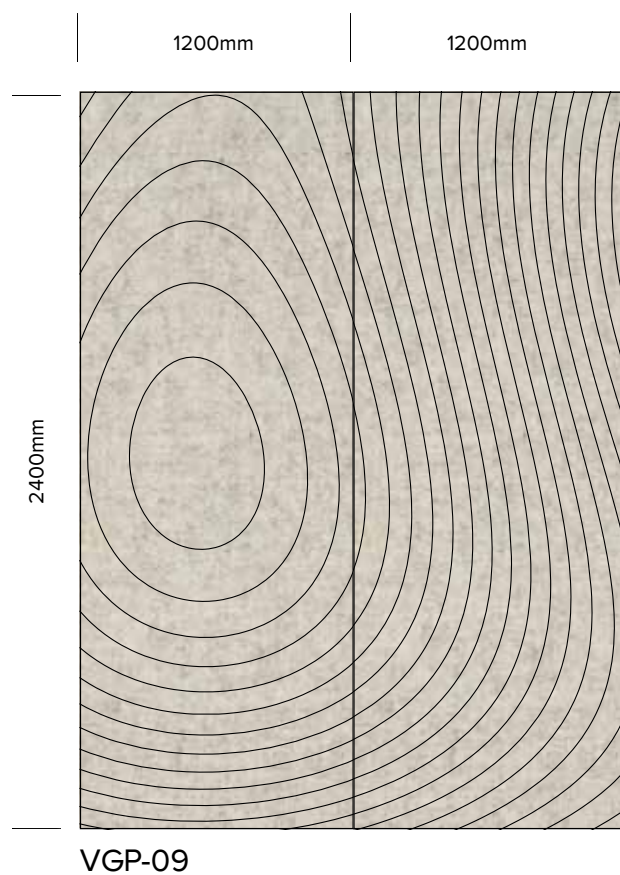
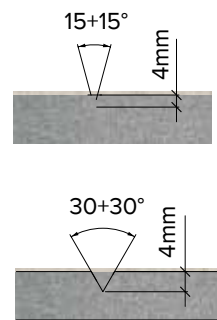


Thickness:
9mm, 12mm

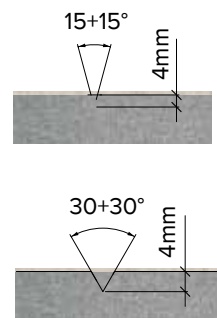
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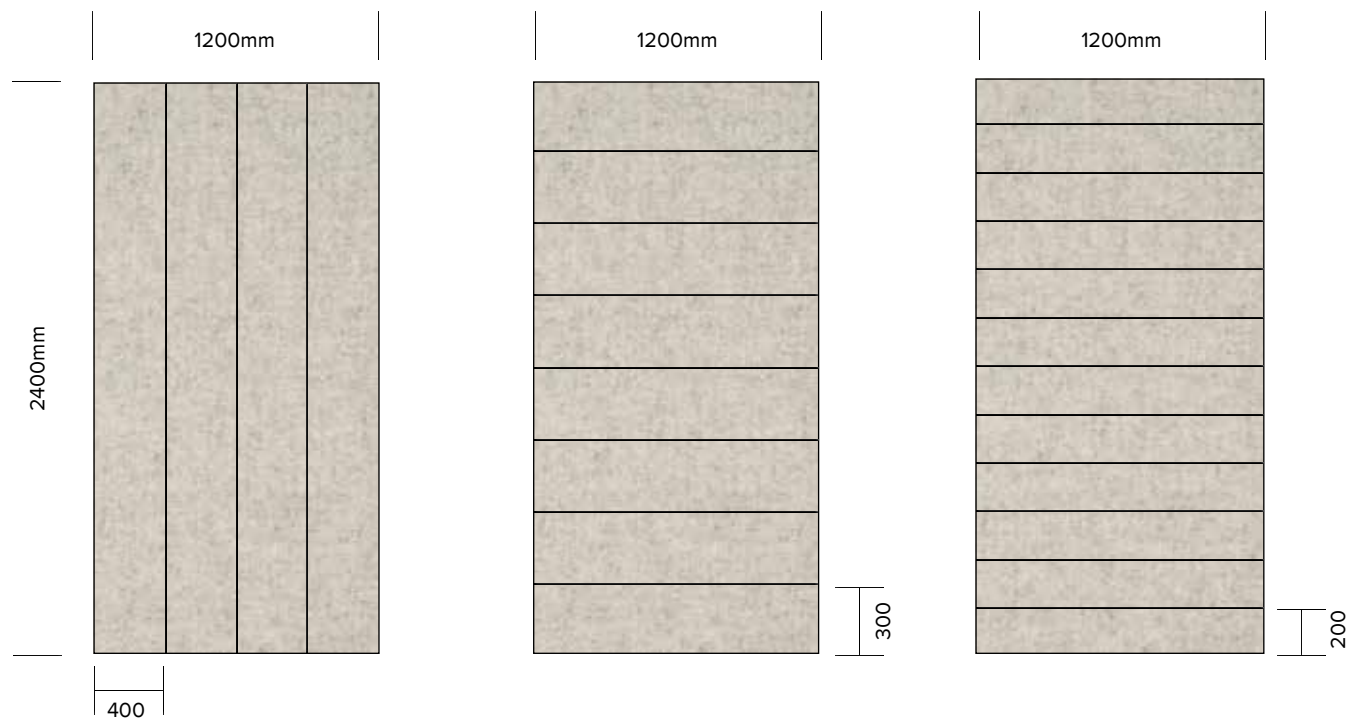
Thickness:
9mm, 12mm



Thickness:
9mm, 12mm



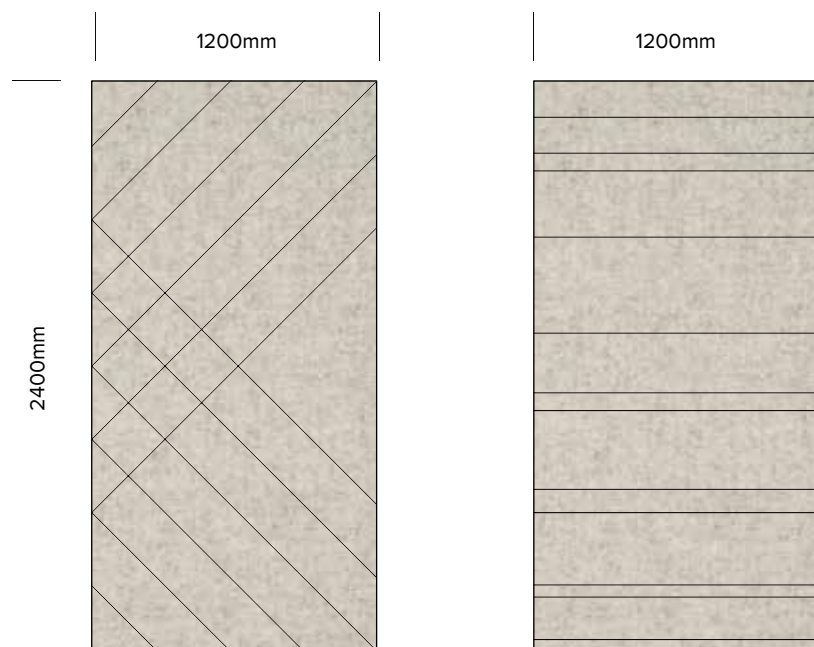
V-Groove Acoustic PET Felt Wall Tiles



VGP-10

VGP-11

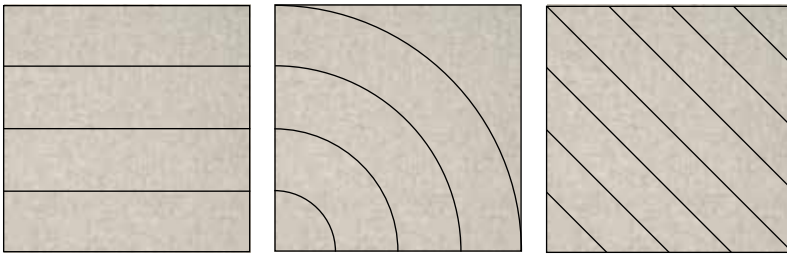
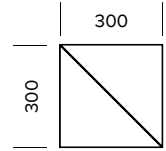
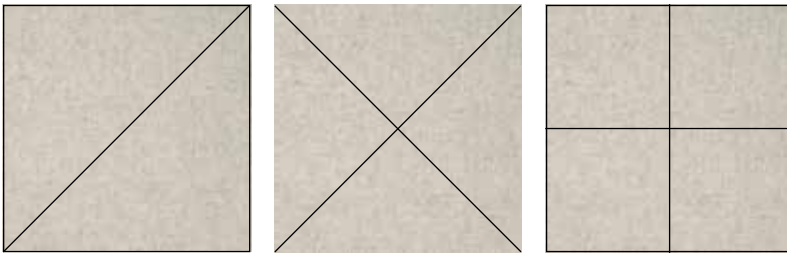
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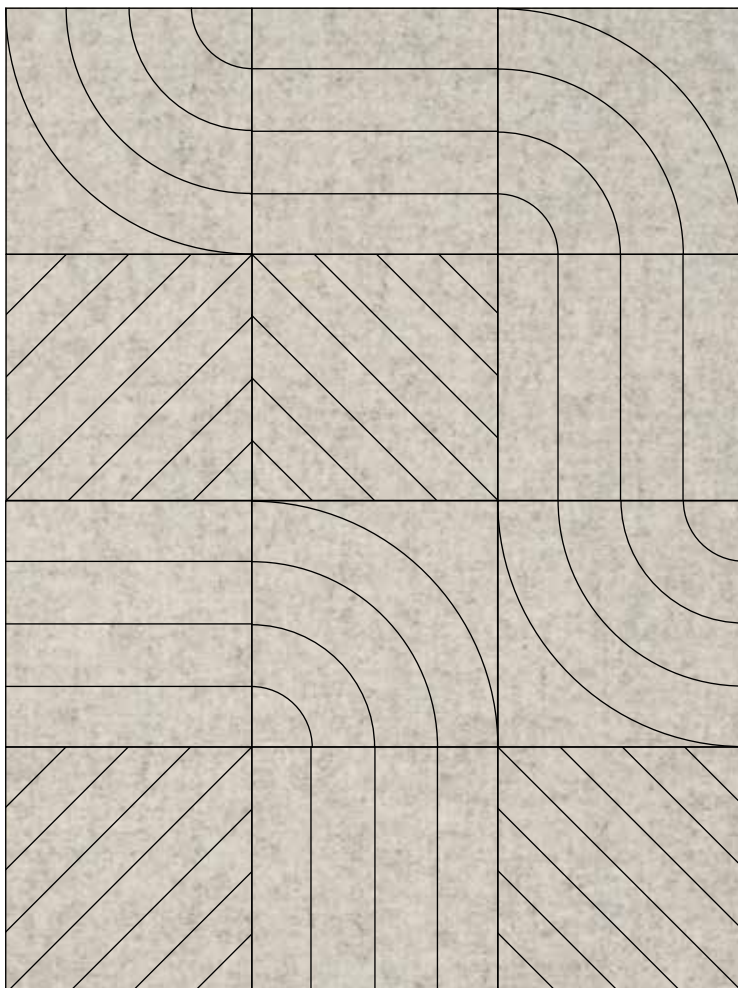
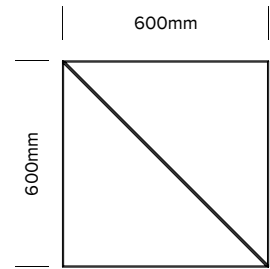
VGP-13

VGP-15

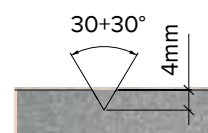
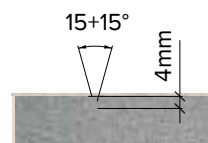
Thickness:
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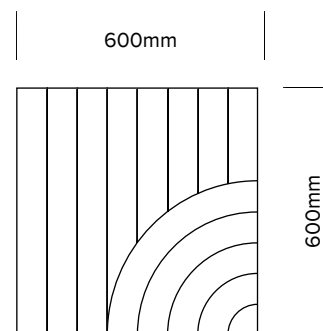
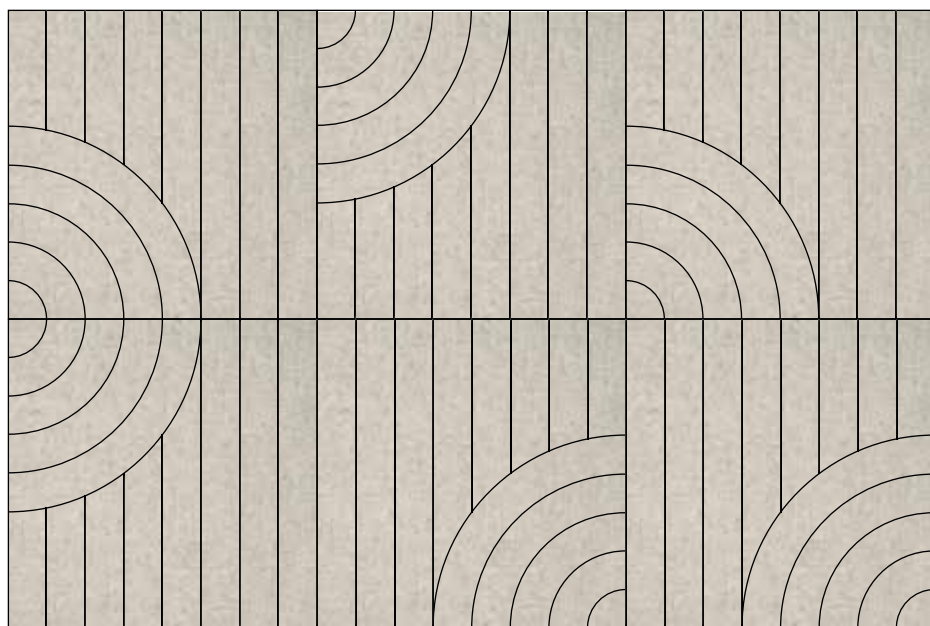
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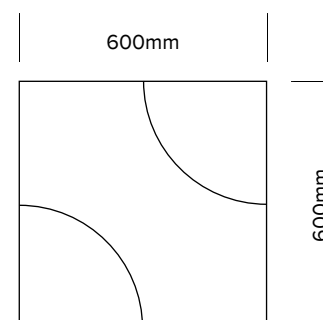
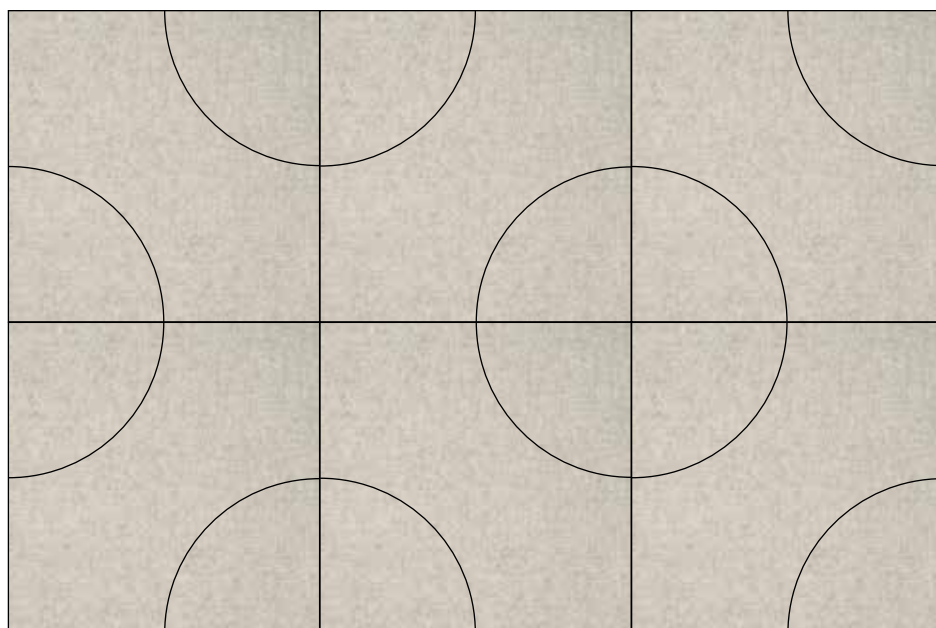
VGP-16



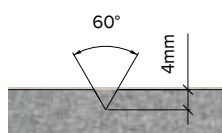
V-Groove Acoustic PET Felt Wall Tiles



VGP-17



VGP-18



V-cut detail

PET Felt Processing Techniques

V-cut

V-grooves are cut 4.5mm deep as standard



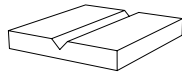
V-cut 15 degrees



V-cut 22.5 degrees



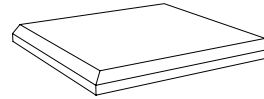
V-cut 30 degrees



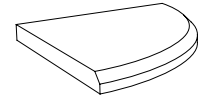
V-cut 45 degrees

Bevel-cut cutting

This is cut at 45 degrees to half the plate thickness



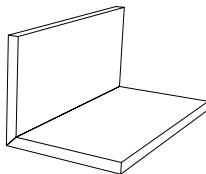
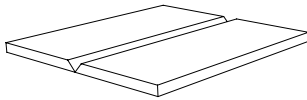
Straight bevel finish gives straight corners



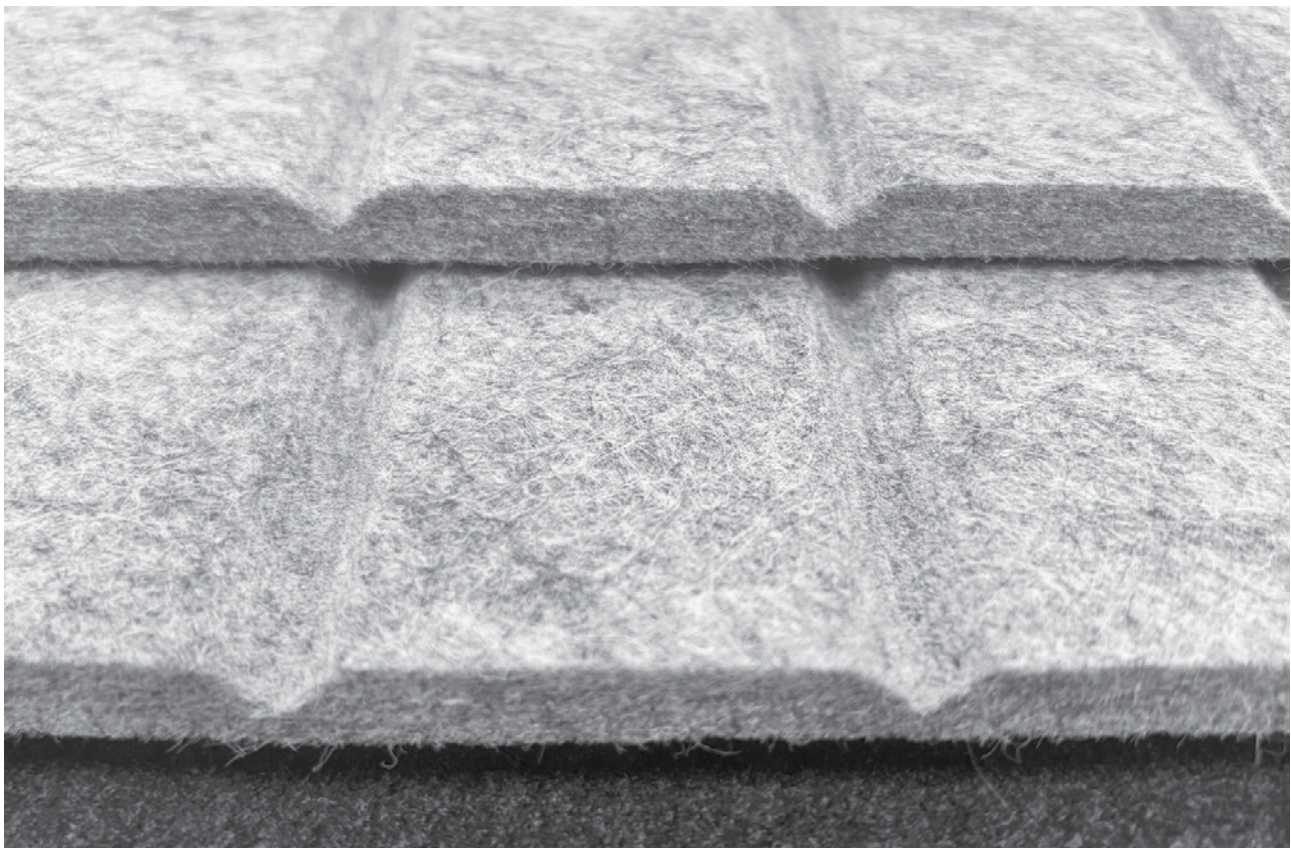
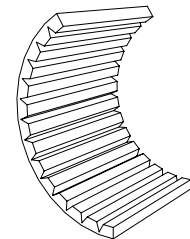
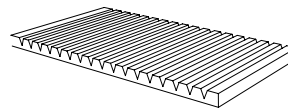
Round facet finish only for radii greater than 100mm

Folding 90 degrees

45 degree V-cut is used as standard.



Bending



ARKETA (BASE MATERIAL) | PET FELT COLLECTIONS



ARKETA WHITE



ARKETA LIGHT GREY



ARKETA PURE GREY



ARKETA DARK GREY



ARKETA BLACK

ICHOS HEATHERED | PET FELT COLLECTIONS



ICHOS | K-001



ICHOS | K-002



ICHOS | K-003



ICHOS | K-004



ICHOS | K-005



ICHOS | K-006



ICHOS | K-007



ICHOS | K-008



ICHOS | K-009



ICHOS | K-010



ICHOS | K-011



ICHOS | K-012



ICHOS | K-013



ICHOS | K-014



ICHOS | K-015

ICHOS FLAT | PET FELT COLLECTIONS



ICHOS | D-001



ICHOS | D-002



ICHOS | D-003



ICHOS | D-004



SATIS | D-005



ICHOS | D-006



ICHOS | D-007



ICHOS | D-008



ICHOS | D-009



SATIS | D-010



ICHOS | D-011



ICHOS | D-012



ICHOS | D-013



ICHOS | D-014



SATIS | D-015



ICHOS | D-016



ICHOS | D-017



ICHOS | D-018



ICHOS | D-019

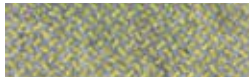


SATIS | D-020

3D TEXTURE PRINTED | PET FELT COLLECTIONS



EMP-01



EMP-02



EMP-03



EMP-04



EMP-05



EMP-06



EMP-07



EMP-08



EMP-09



EMP-10



EMP-11



EMP-12



EMP-13



EMP-14

FELT PRINTED | PET FELT COLLECTIONS

WOOD



FP-01



FP-02



FP-03



FP-04



FP-05



FP-06



FP-07



FP-08

MARBLE



FP-09



FP-10



FP-11



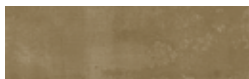
FP-12



FP-13



FP-14



FP-15



FP-16



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