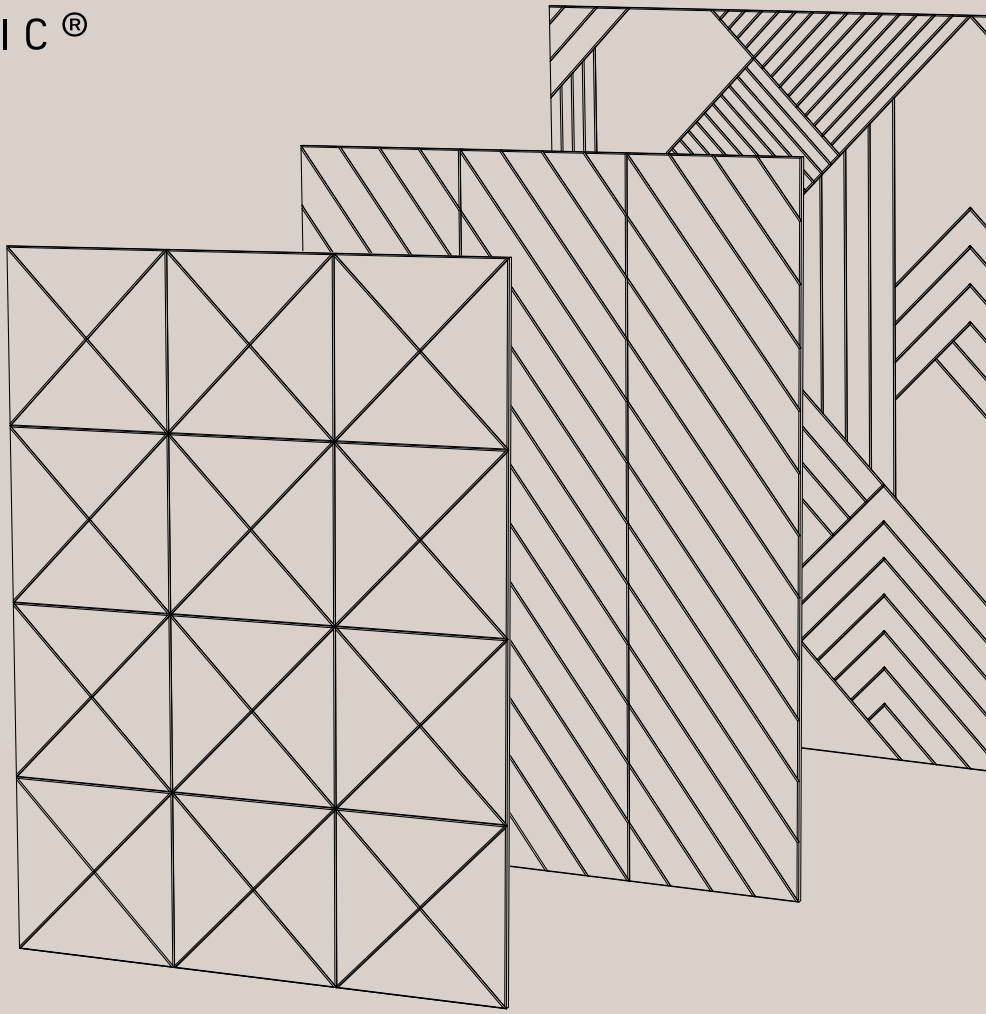
**IMPACT** ACOUSTIC®

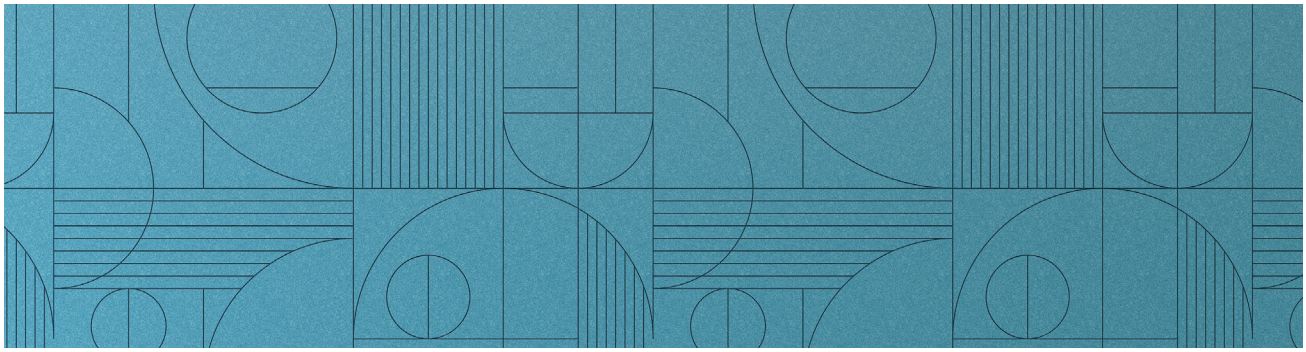


# Wall Panels
## Ready-made

731.24.11-31.000.00
731.12.11-31.000.00
732.24.10-33.000.00
732.12.10-33.000.00

TECHNICAL DATA SHEET

# Wall Panels
General Information



## Data

**Applicable article numbers**

731.24.11-31.000.00 and .10
731.12.11-31.000.00 and .10
732.24.10-33.000.00 and .10
732.12.10-33.000.00 and .10

| **Total Dimensions**[1] | **24mm / 12 mm** | **0.9" / 0.5"** |
|---|---|---|
| Height | 2400mm / 2800mm | 95" / 110" |
| Width | 1800mm / 1200mm | 71" / 47" |

Custom solutions available

**Material**

Wall Covering 100% PET (60% post-consumer) in 45 colours

Extended document available

**Weight**[2]

| | | |
|---|---|---|
| 24mm / 0.95" | 4 kg/m2 | 0.82 lbs/sq.ft |
| 12mm / 0.47" | 2.4 kg/m2 | 0.49 lbs/sq.ft |

## Included

PET Panels

Installation guide

Warranty 10 years[3]

1 – all dimensions are nominal 2 – all weights are nominal 3 – Impact Acoustic warranty terms apply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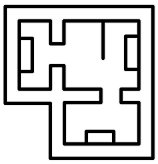
(Philippines) philippines@impactacoustic.com (+63) 285 80 02 50

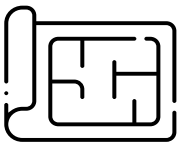
# Wall Panels
## Specification Guide

Ensure you make the perfect choice by choosing our solutions for your next project. To get started, simply define some basic information and constraints about your space. Then explore our range of standard solutions or contact us directly for a more in-depth discussion of personalised customized options.

### 1 Prepare this information:



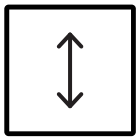
Project Area



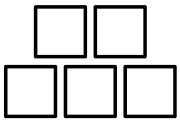
Plans

Other Considerations

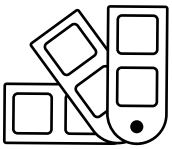
### 2 Specify your Wall Covering:



Material Thickness

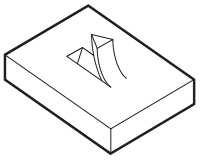


Quantity

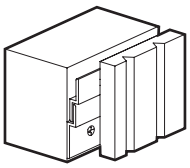


Colour

### 3 Mount options:



Undercover mount[1]



Z-Clip profiles

Spray adhesive

### 4 Article numbers:

| 732 | Material Thickness[2] | 12 | Colour | Mount type |
|---|---|---|---|---|
| 732 | 24mm | 12 | Choose colour | 00 |
| | 12mm | | | |

**Example: 732.24.12.662.00**

Wall Covering - Kingscross, 2400 x 1800 x 24mm, 662 - Poster Red, 00 - Undercover mount

1 – Patent Pending No.102024000009088 2 – all dimensions are nominal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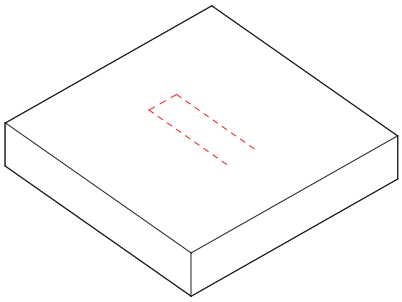
# Wall Panels

## Installation methods overview

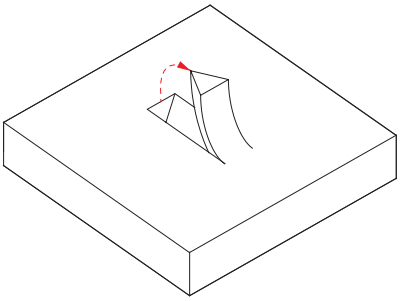
### Undercover Mount (standard) *Patent Pending*[1]

All our Wall Covering products come with pre-cut **Undercover** attachment points. Those points are distributed along the edge (10-15mm offset) of the panel. **Undercover** mounting system allows for concealed mechanical attachment of the panel to the mounting surface. The **installation hardware** (screws, bolts) needs to be selected in accordance to the surface on which panels are applied, and are **not included.**

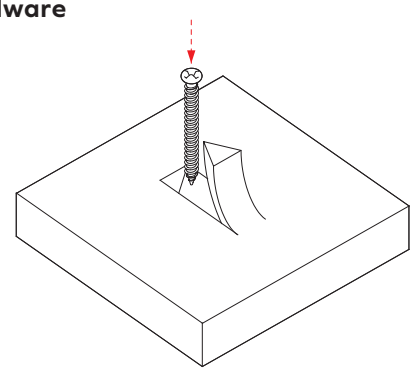
**1 Locate the Undercover cuts on the panel**



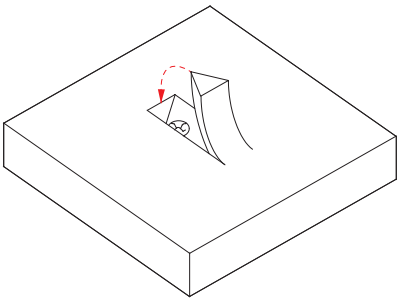
**2 Pull out the edge**



**3 Install hardware**



**4 Close**



1 – Patent Pending No.102024000009088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# PLAIN

Custom solutions available

# Geometry Information

## Plain 24mm

**Applicable article numbers**

732.24.33.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Plain 12mm

**Applicable article numbers**

732.12.33.000.00 and .10

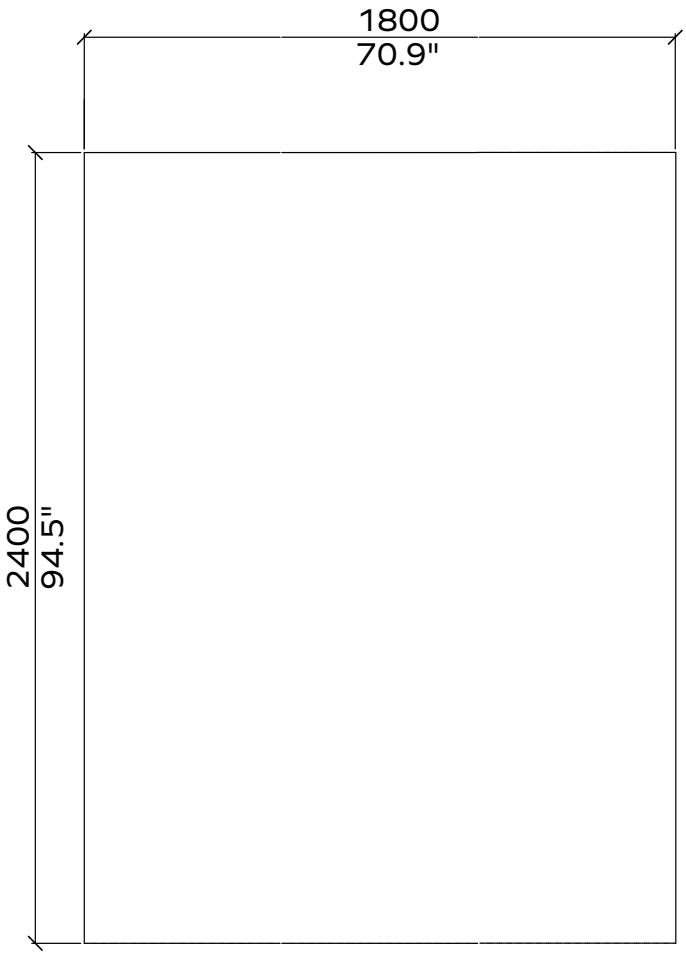
**Scope of delivery**

For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

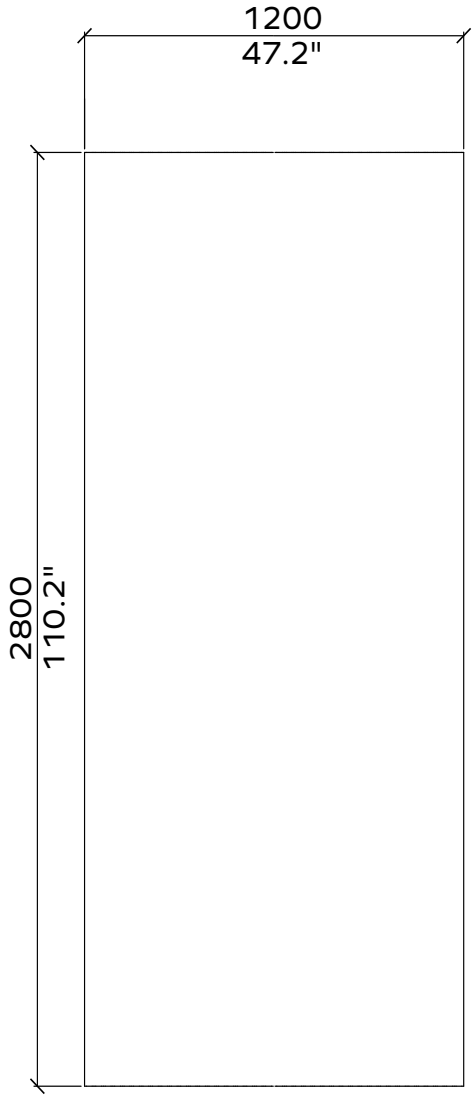
**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

Straight cut edge




**1x**




**1x**

All dimensions are nominal



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# PLAID

Custom solutions available

# Geometry Information

## Plaid 24mm

**Applicable article numbers**

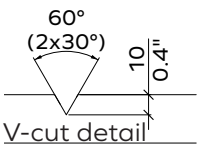
732.24.32.000.00 and .10

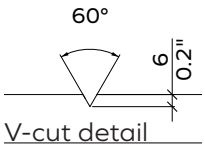
**Scope of delivery**

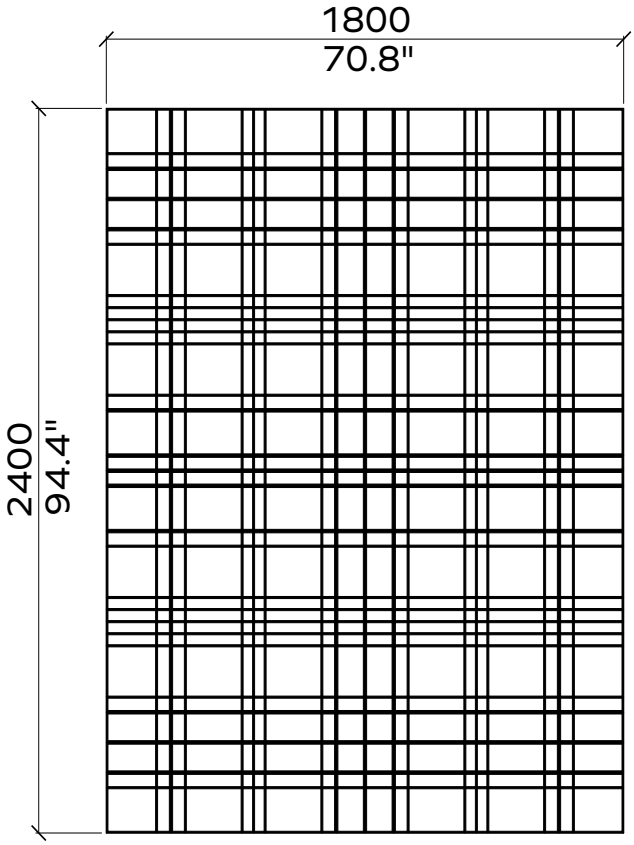
For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




**1x**

## Plaid 12mm

**Applicable article numbers**

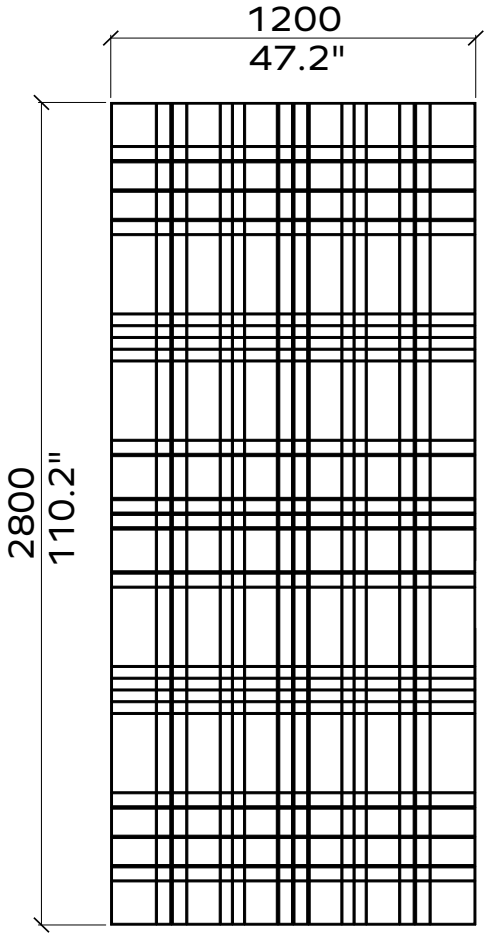
732.12.32.000.00 and .10

**Scope of delivery**

For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




**1x**

All dimensions are nominal



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# TABULA
# Geometry Information

Custom solutions available

## Tabula 24mm

**Applicable article numbers**

731.24.10.000.00 and .10
731.24.11.000.00 and .10
731.24.12.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set PET panels (in the dimensions below).

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Tabula 12mm

**Applicable article numbers**

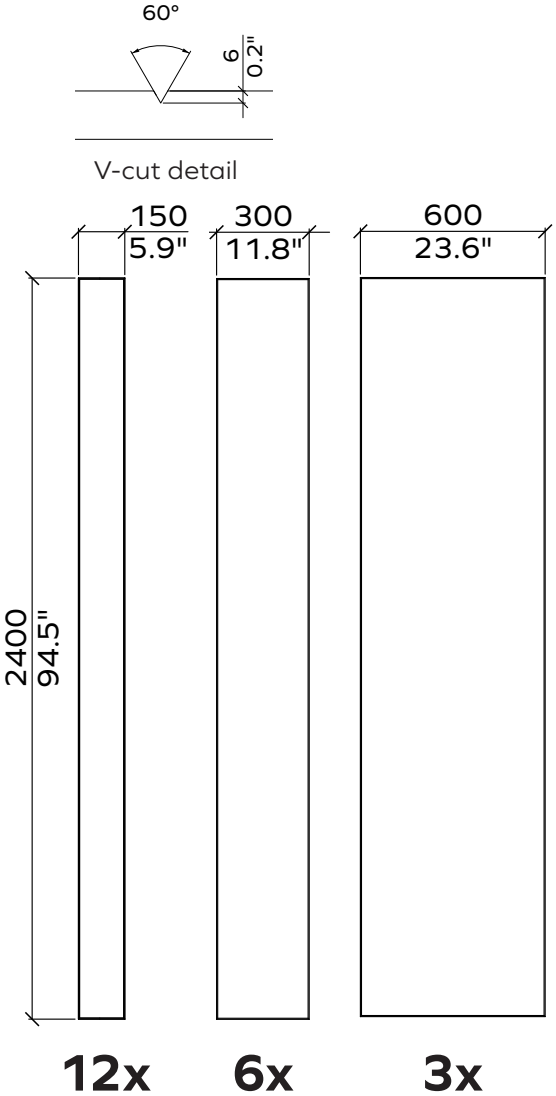
731.12.10.000.00 and .10
731.12.11.000.00 and .10
731.12.12.000.00 and .10

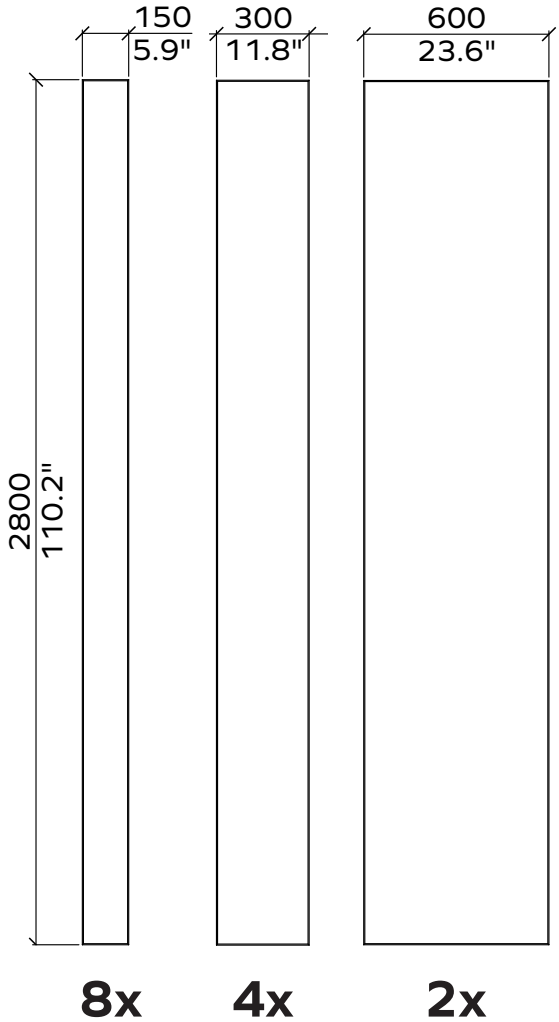
**Scope of delivery**

For each 12mm item you will receive a set of PET panels (in the dimensions below).

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.



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# FISHBONE

Custom solutions available

## Geometry Information

## Fishbone 24mm

**Applicable article numbers**

731.24.21.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Fishbone 12mm

**Applicable article numbers**

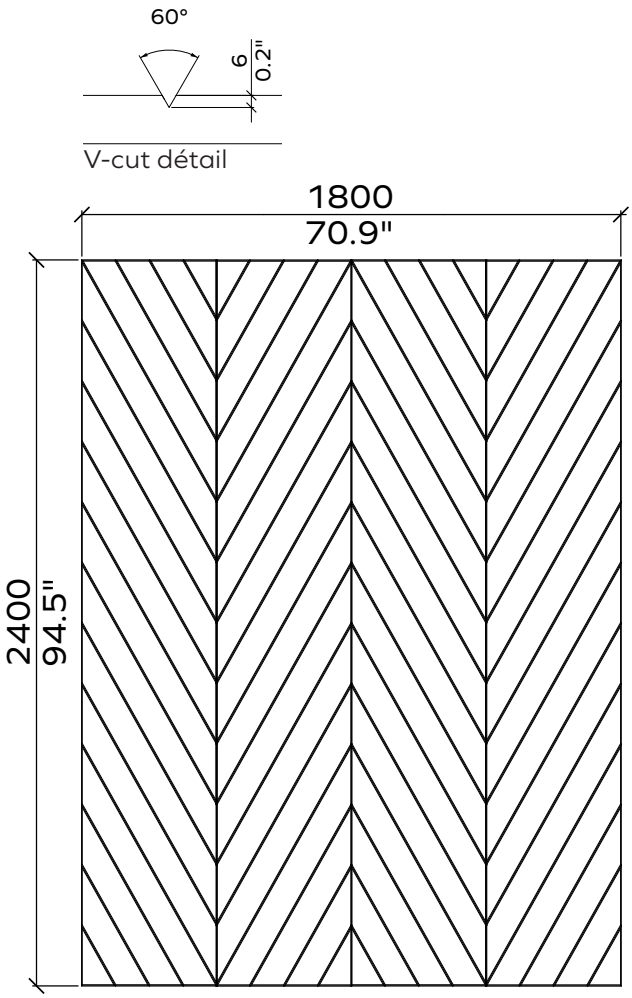
731.12.21.000.00 and .10

**Scope of delivery**

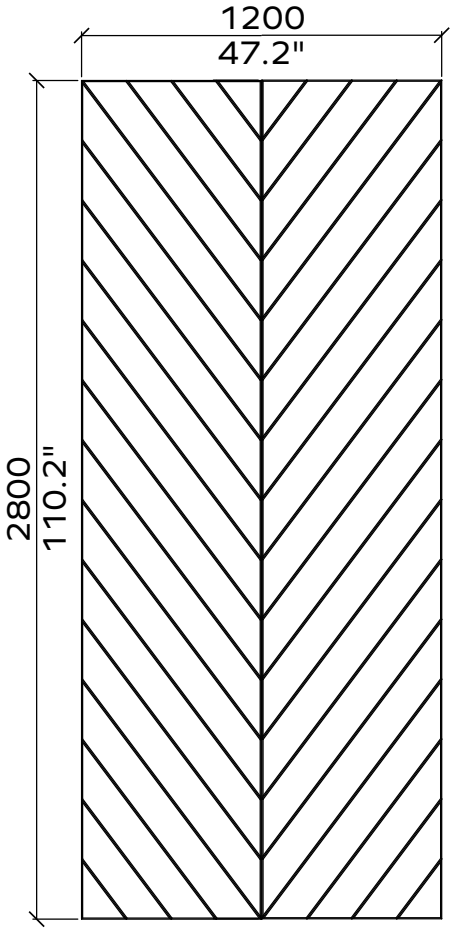
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




**1x**




**1x**

All dimensions are nominal



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# HEXAGON

Custom solutions available

# Geometry Information

## Hexagon 24mm

**Applicable article numbers**

731.24.20.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 65x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Hexagon 12mm

**Applicable article numbers**

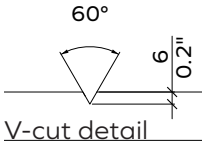
731.12.20.000.00 and .10

**Scope of delivery**

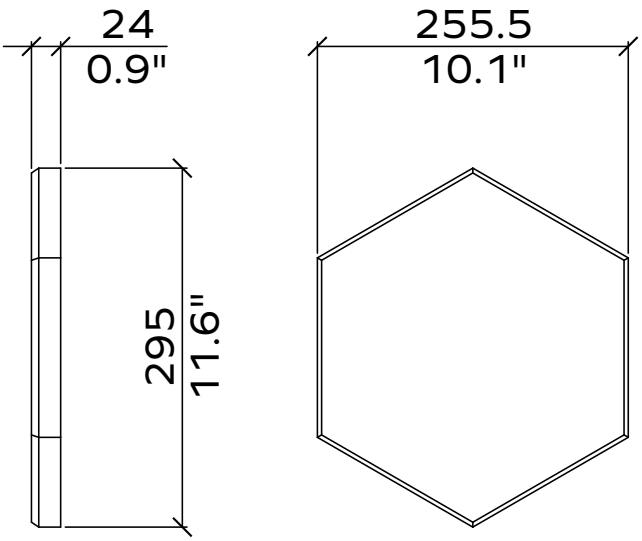
For each 12mm item you will receive a set of 48x PET panels (in the dimensions below)

**Installation**

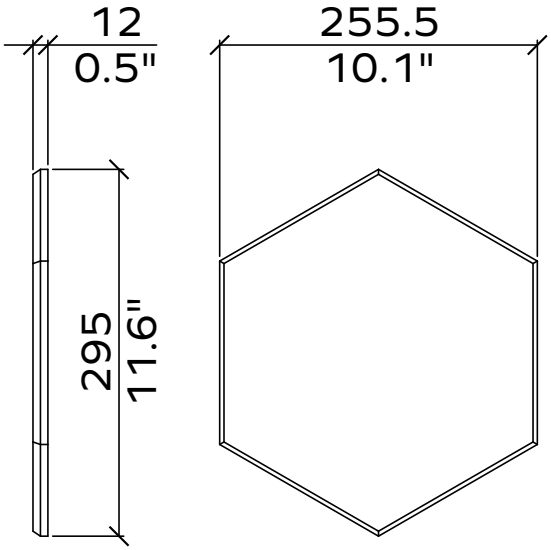
These panels are mounted with a concealed attachment system. For other options contact our consultants.




V-cut detail




**65x**




**48x**

All dimensions are nominal



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# FLOW

# Geometry Information

Custom solutions available

## Flow 24mm

**Applicable article numbers**

732.24.11.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Flow 12mm

**Applicable article numbers**

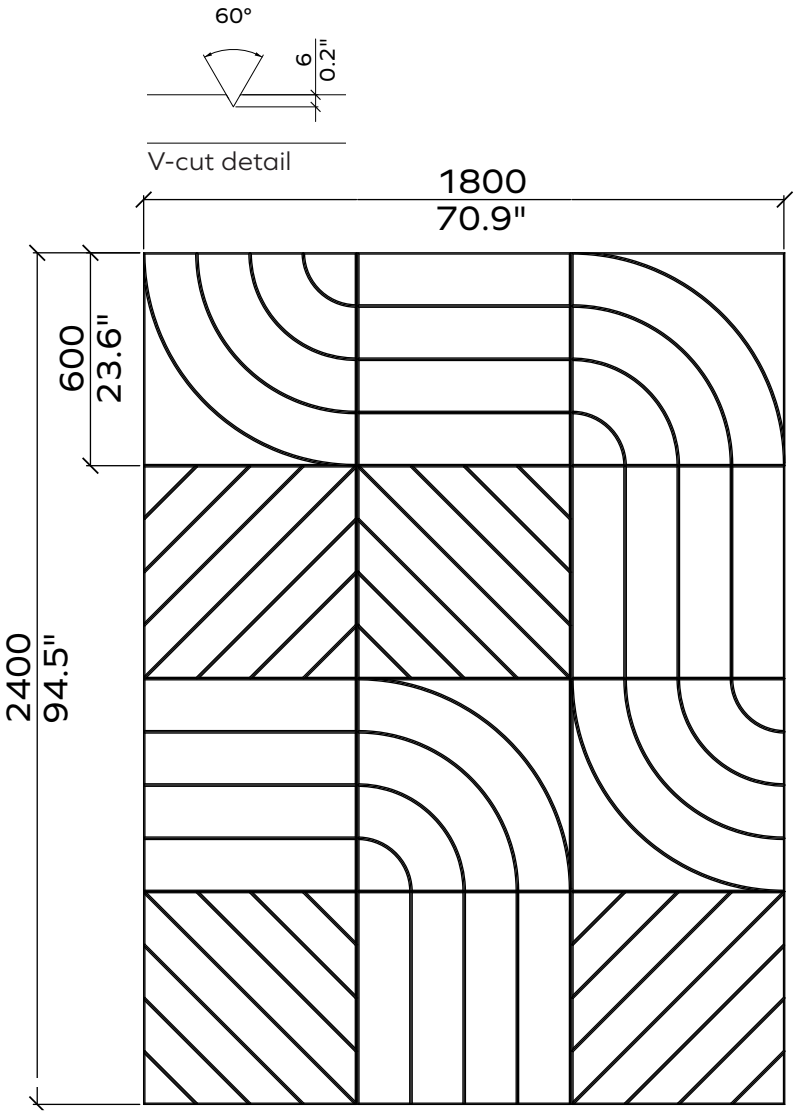
732.12.11.000.00 and .10

**Scope of delivery**

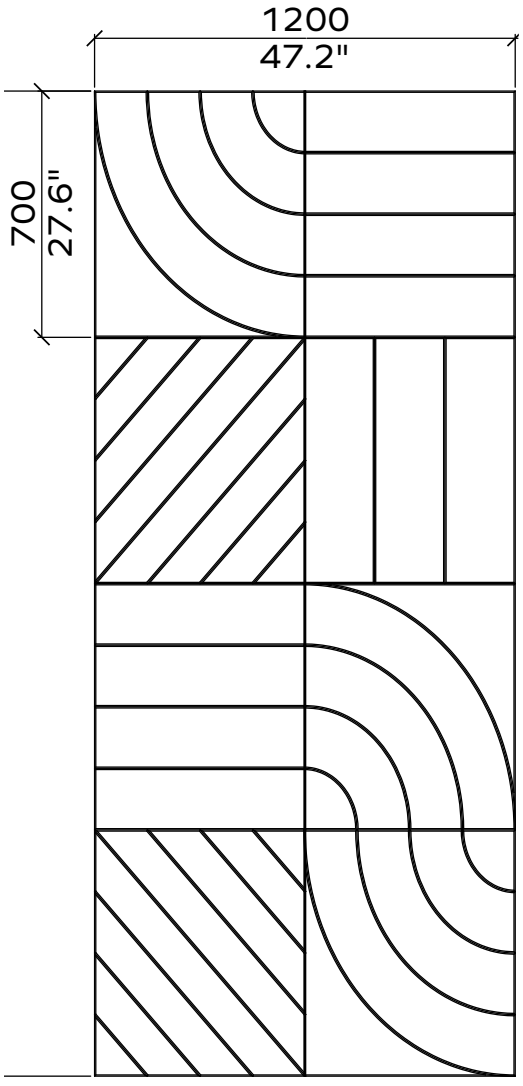
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




**1x**




**1x**



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# KINGSCROSS

Custom solutions available

# Geometry Information

## Kingscross 24mm

**Applicable article numbers**

732.24.12.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Kingscross 12mm

**Applicable article numbers**

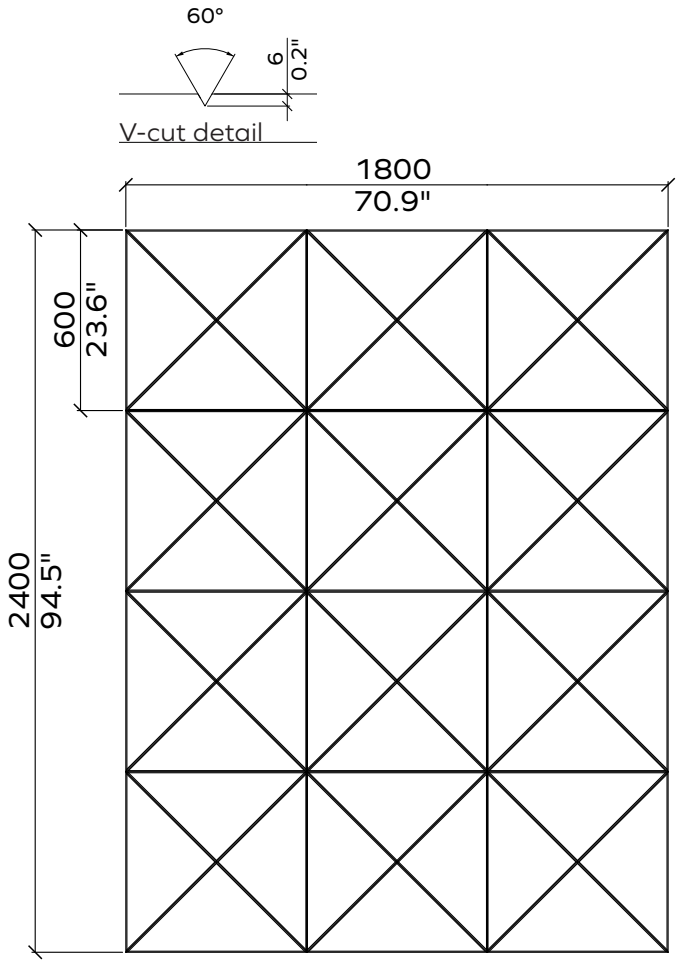
732.12.12.000.00 and .10

**Scope of delivery**

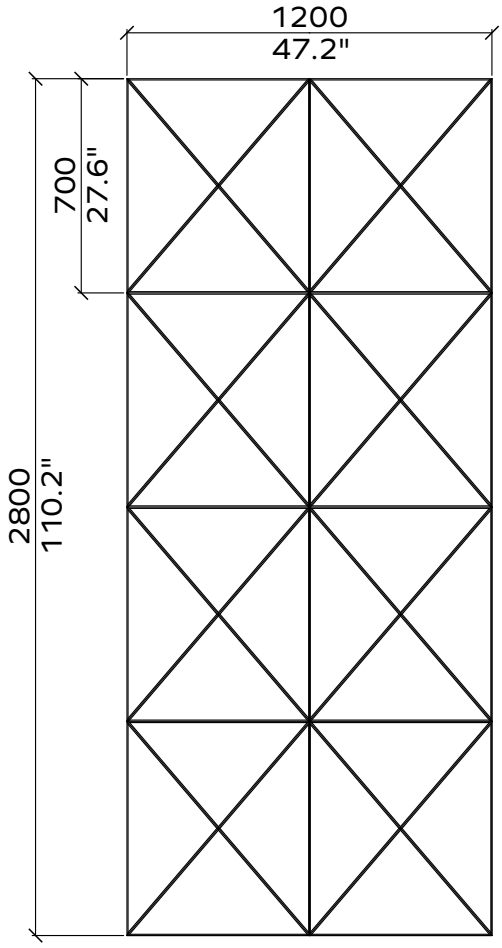
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




**1x**




**1x**

All dimensions are nominal



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# VERTIGO
# Geometry Information

Custom solutions available

## Vertigo 24mm

**Applicable article numbers**

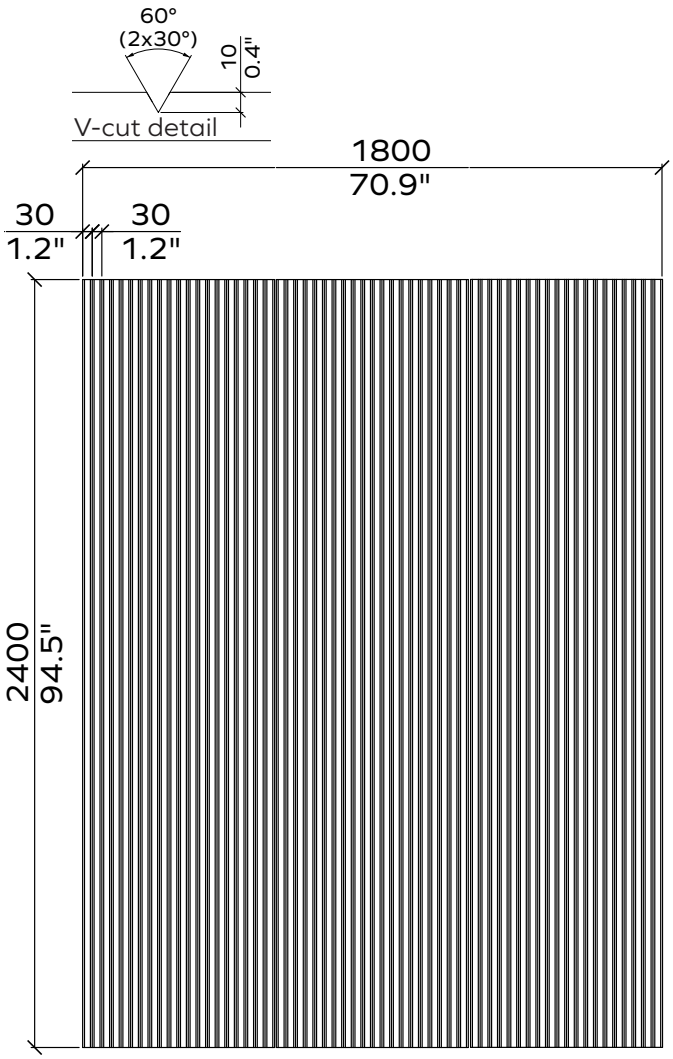
732.24.13.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




**1x**

## Vertigo 12mm

**Applicable article numbers**

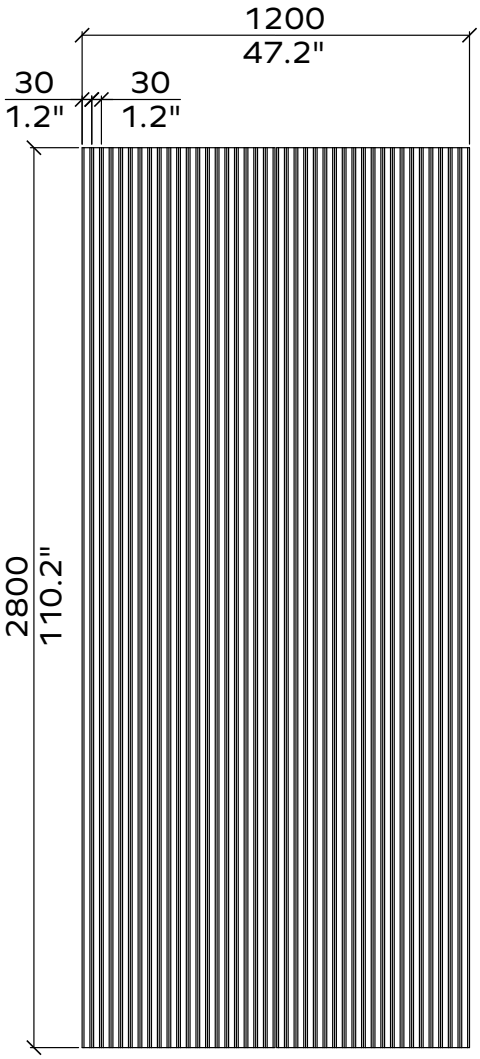
732.12.13.000.00 and .10

**Scope of delivery**

For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




**1x**

All dimensions are nominal



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# VERTIGO FINE
## Geometry Information

Custom solutions available

## Vertigo Fine 24mm

**Applicable article numbers**

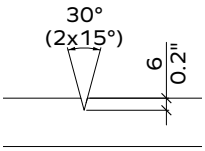
732.24.14.000.00 and .10

**Scope of delivery**

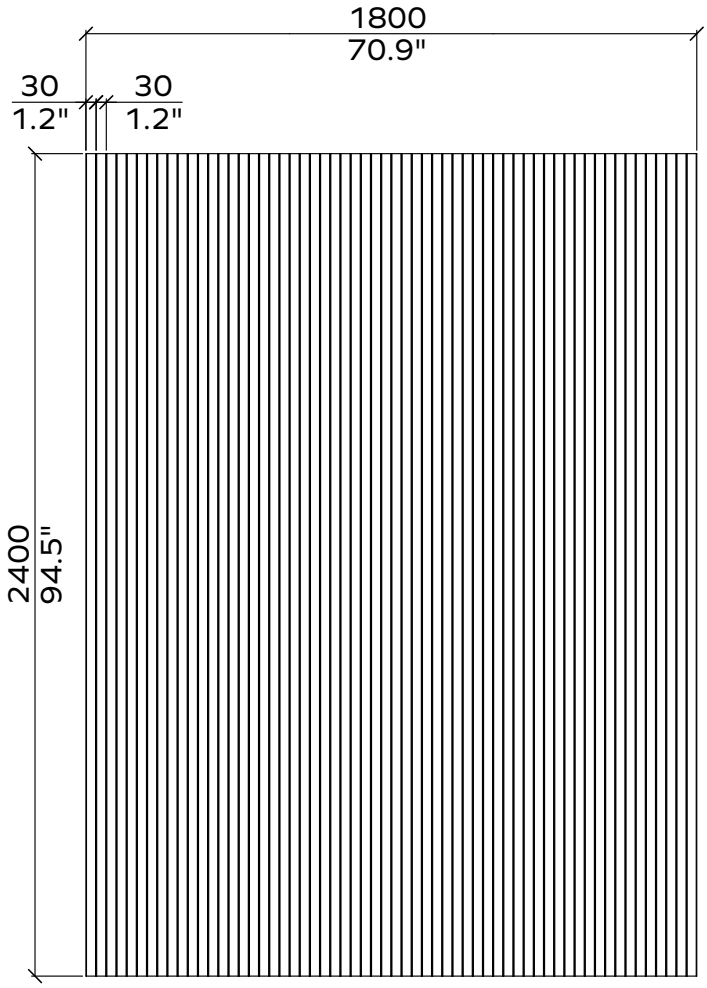
For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




V-cut detail




**1x**

## Vertigo Fine 12mm

**Applicable article numbers**

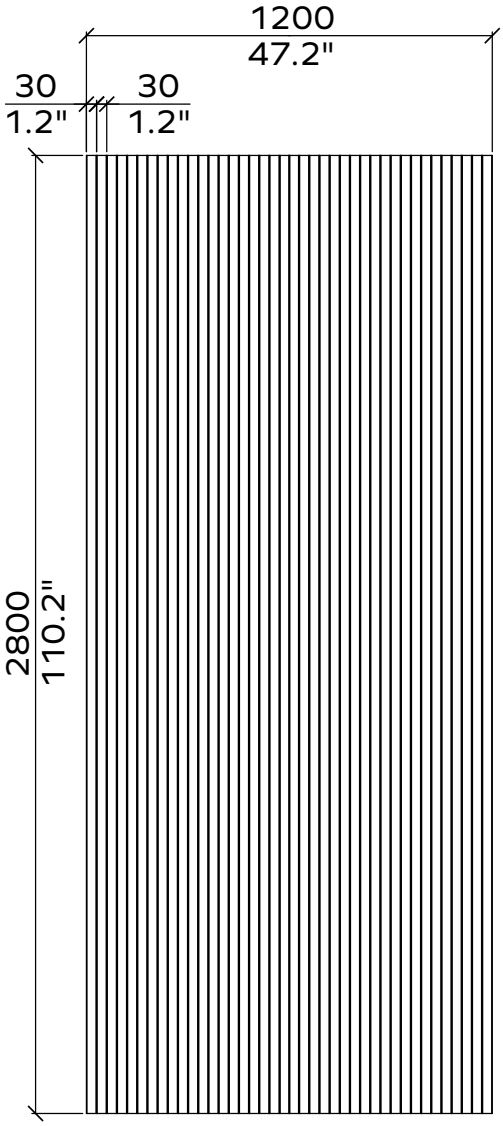
732.12.14.000.00 and .10

**Scope of delivery**

For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




**1x**

All dimensions are nominal



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# VERTIGO WIDE
## Geometry Information

Custom solutions available

## Vertigo Wide 24mm

**Applicable article numbers**

732.24.31.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Vertigo Wide 12mm

**Applicable article numbers**

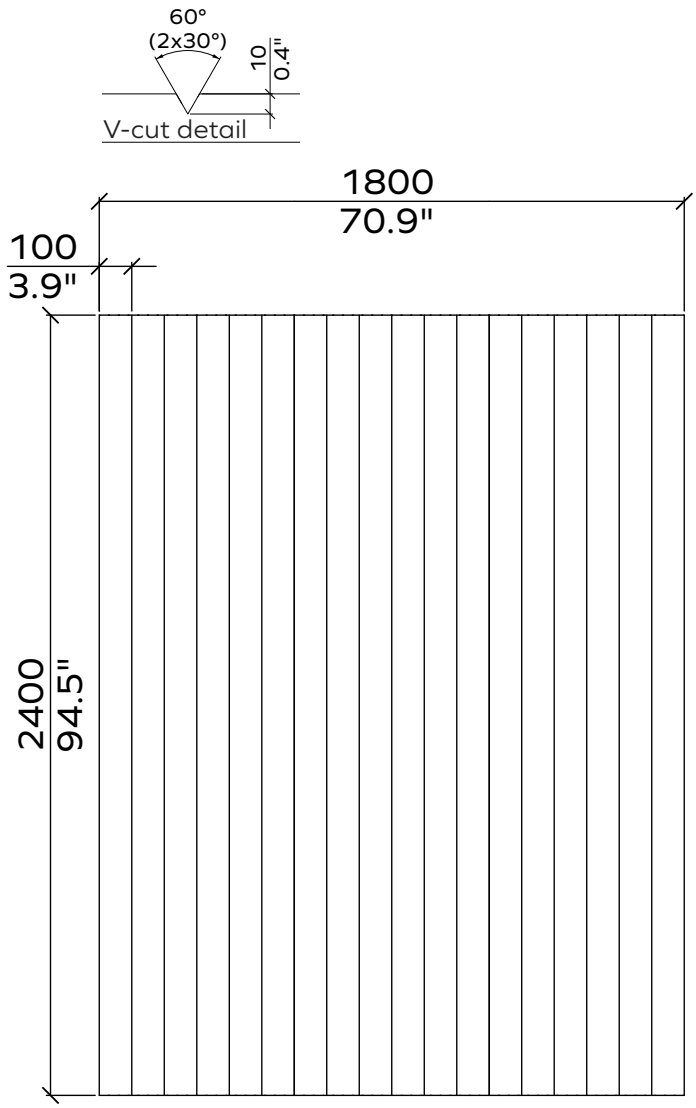
732.12.31.000.00 and .10

**Scope of delivery**

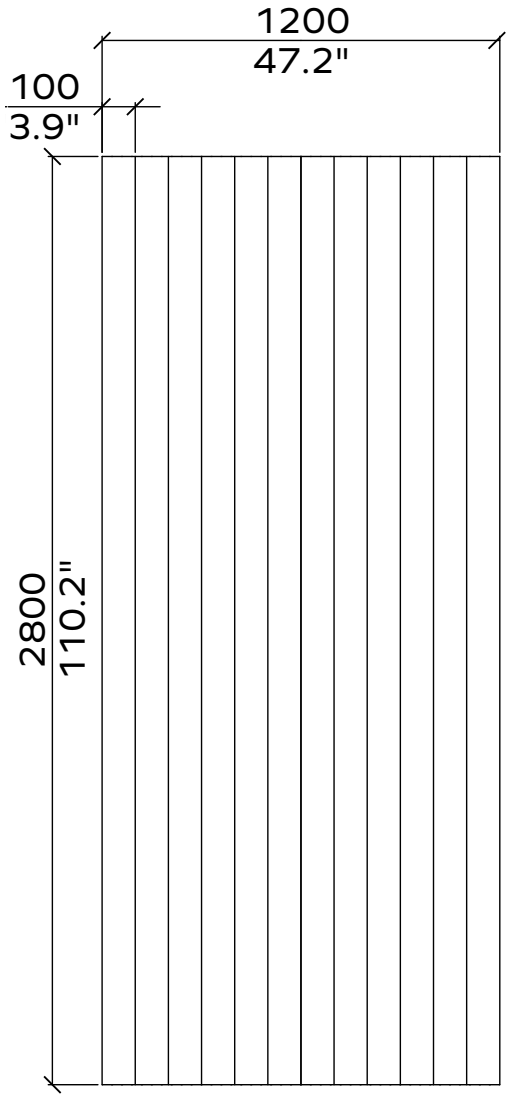
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




**1x**




**1x**

All dimensions are nominal



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# VERTIGO IRREGULAR

Custom solutions available

## Geometry Information

## Vertigo Irregular 24mm

**Applicable article numbers**

732.24.15.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Vertigo Irregular 12mm

**Applicable article numbers**

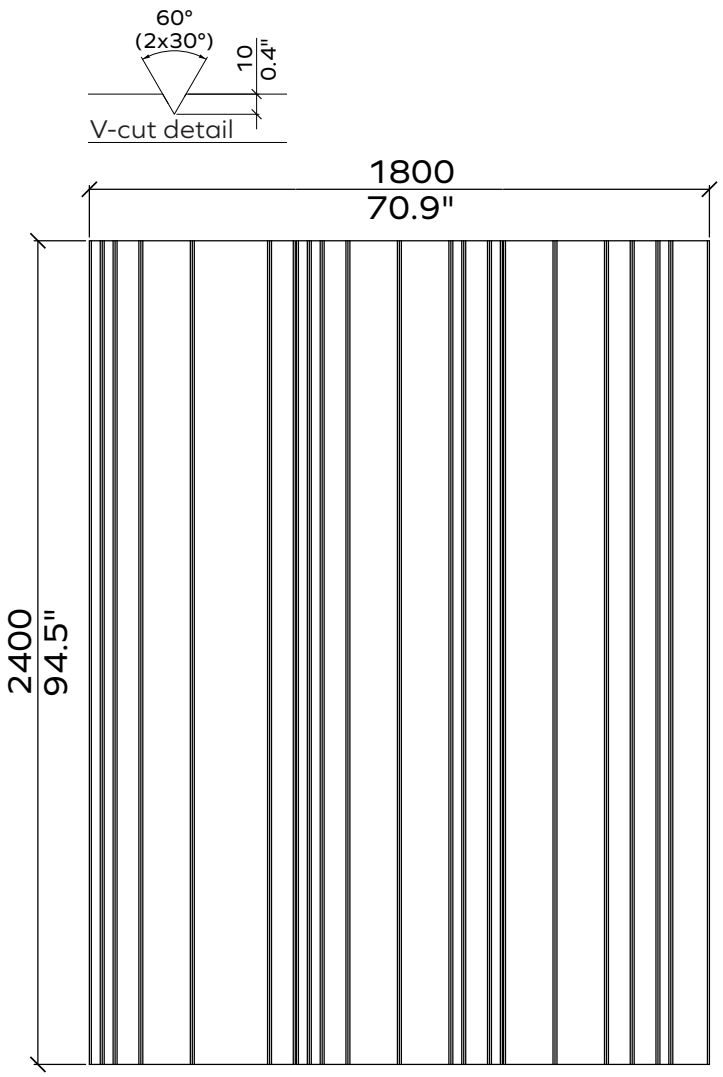
732.12.15.000.00 and .10

**Scope of delivery**

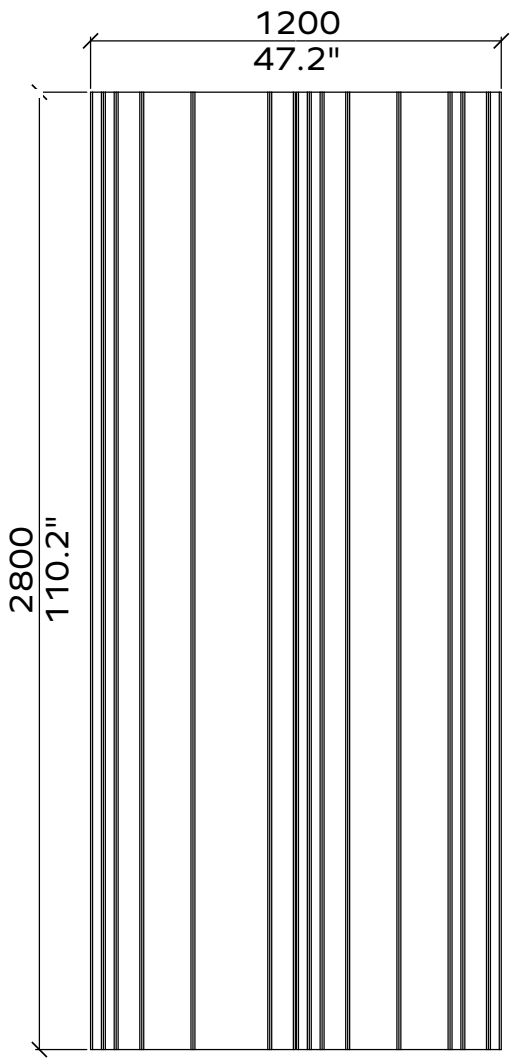
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




**1x**




**1x**

All dimensions are nominal



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# PRISMA

Custom solutions available

## Geometry Information

## Prisma 24mm

**Applicable article numbers**

732.24.16.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Prisma 12mm

**Applicable article numbers**

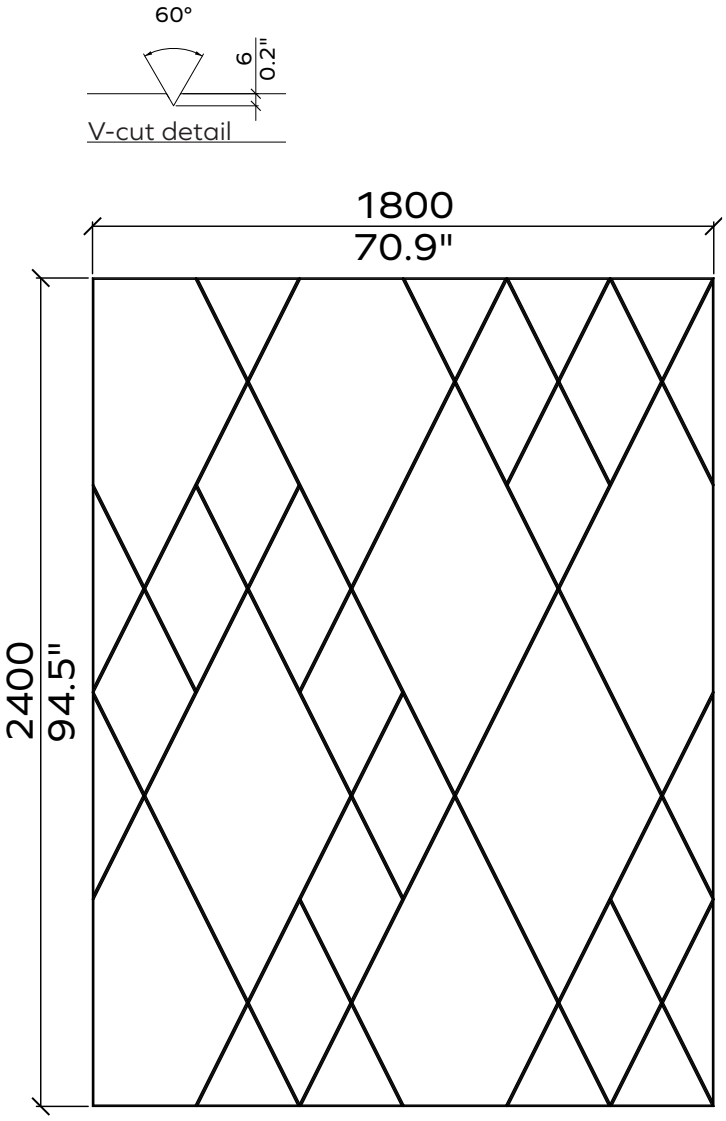
732.12.16.000.00 and .10

**Scope of delivery**

For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

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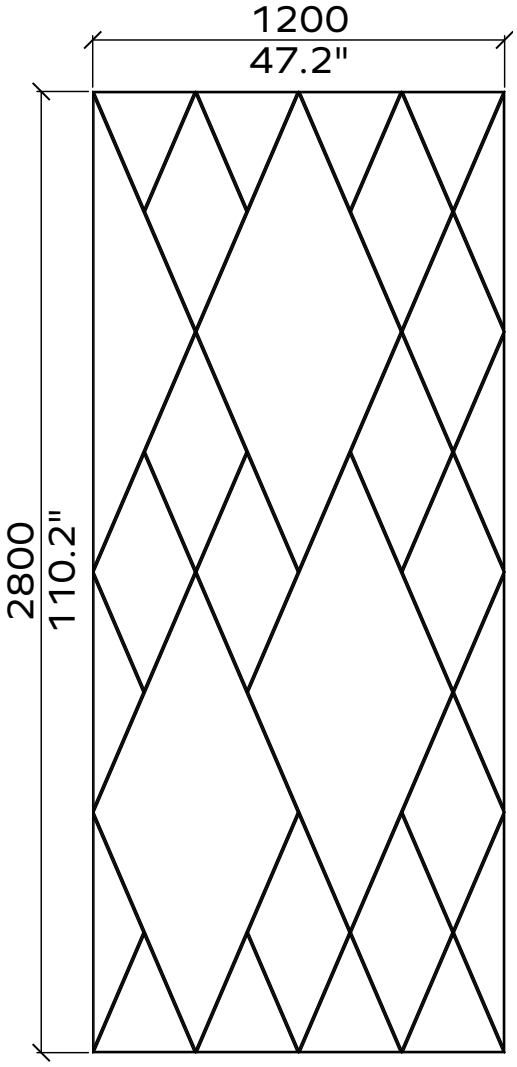


**1x**

All dimensions are nominal



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# FACET
# Geometry Information

Custom solutions available

## Facet 24mm

**Applicable article numbers**

732.24.17.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Facet 12mm

**Applicable article numbers**

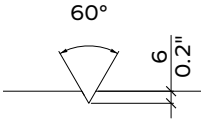
732.12.17.000.00 and .10

**Scope of delivery**

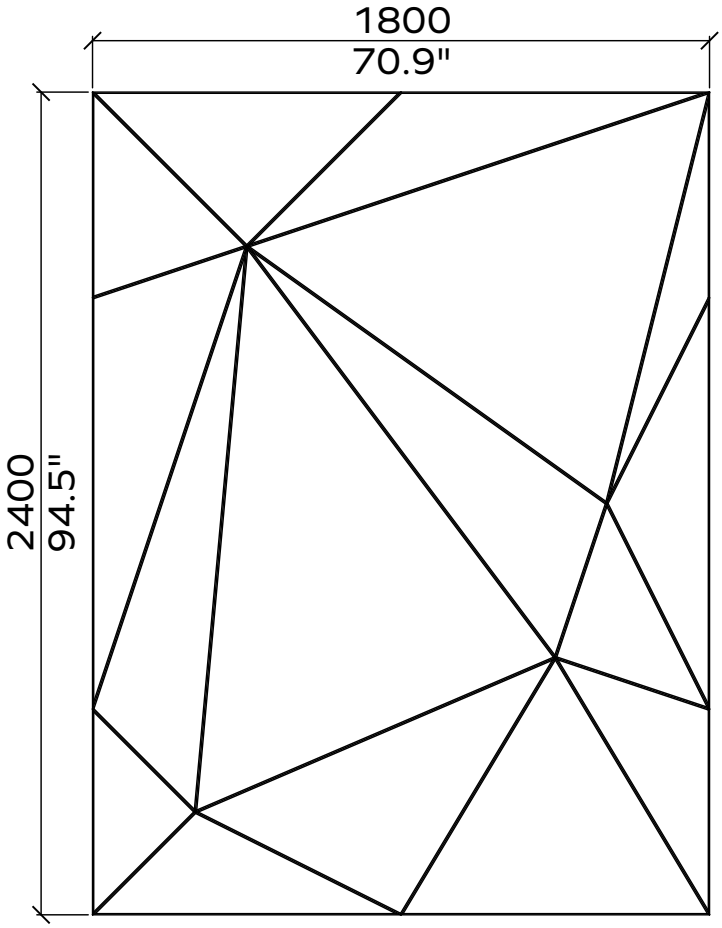
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

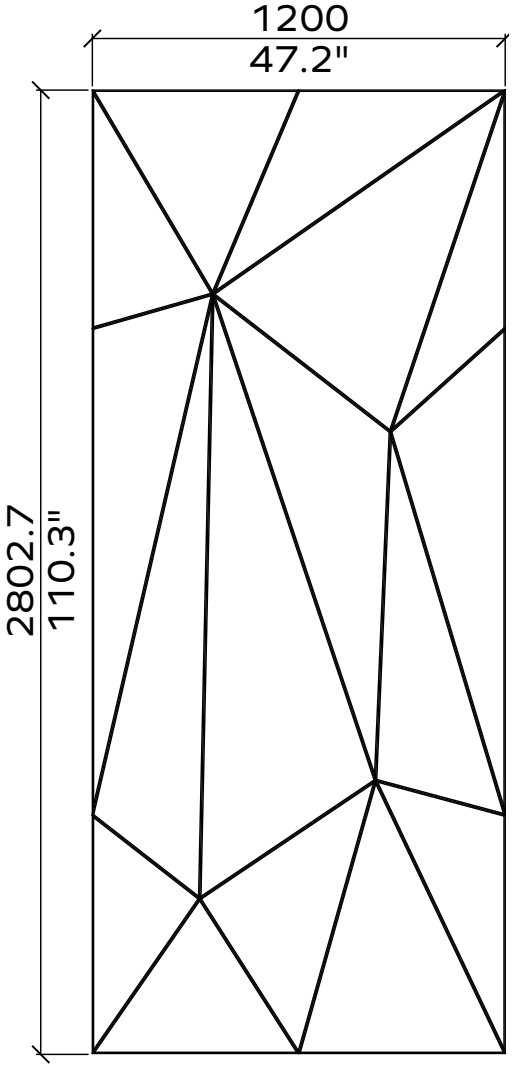
These panels are mounted with a concealed attachment system. For other options contact our consultants.




V-cut detail




**1x**




**1x**

All dimensions are nominal



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# MAZE

Custom solutions available

# Geometry Information

## Maze 24mm

**Applicable article numbers**

732.24.18.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Maze 12mm

**Applicable article numbers**

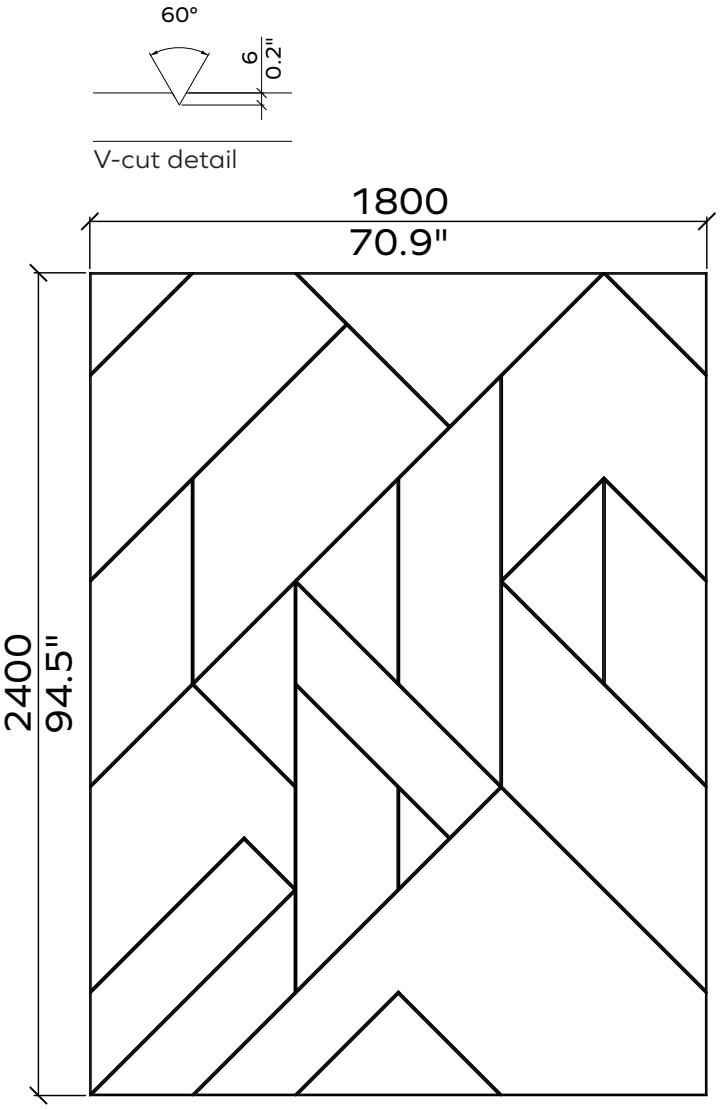
732.12.18.000.00 and .10

**Scope of delivery**

For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

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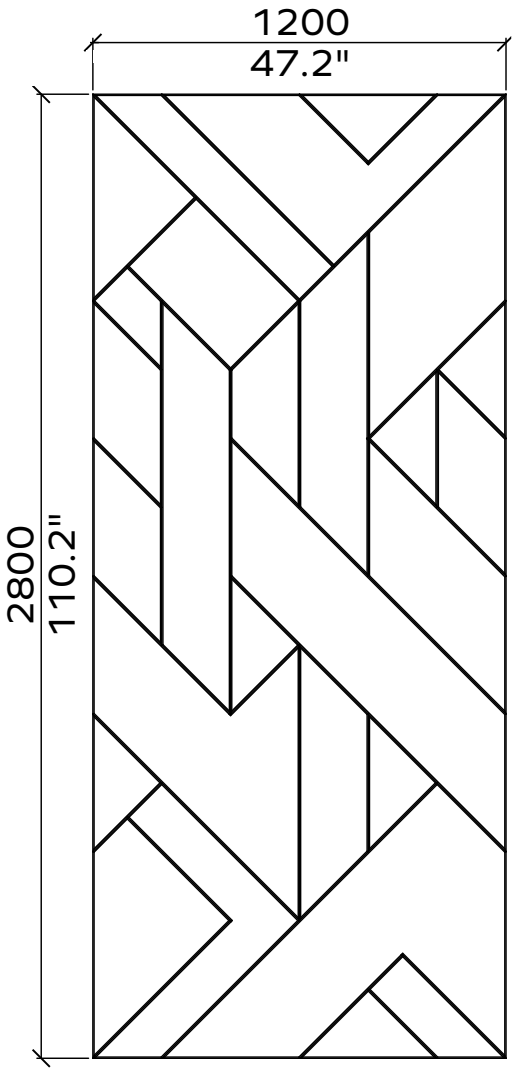


**1x**

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# GATSBY

Custom solutions available

# Geometry Information

## Gatsby 24mm

**Applicable article numbers**

732.24.19.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Gatsby 12mm

**Applicable article numbers**

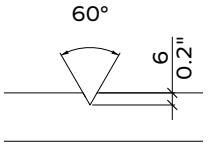
732.12.19.000.00 and .10

**Scope of delivery**

For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

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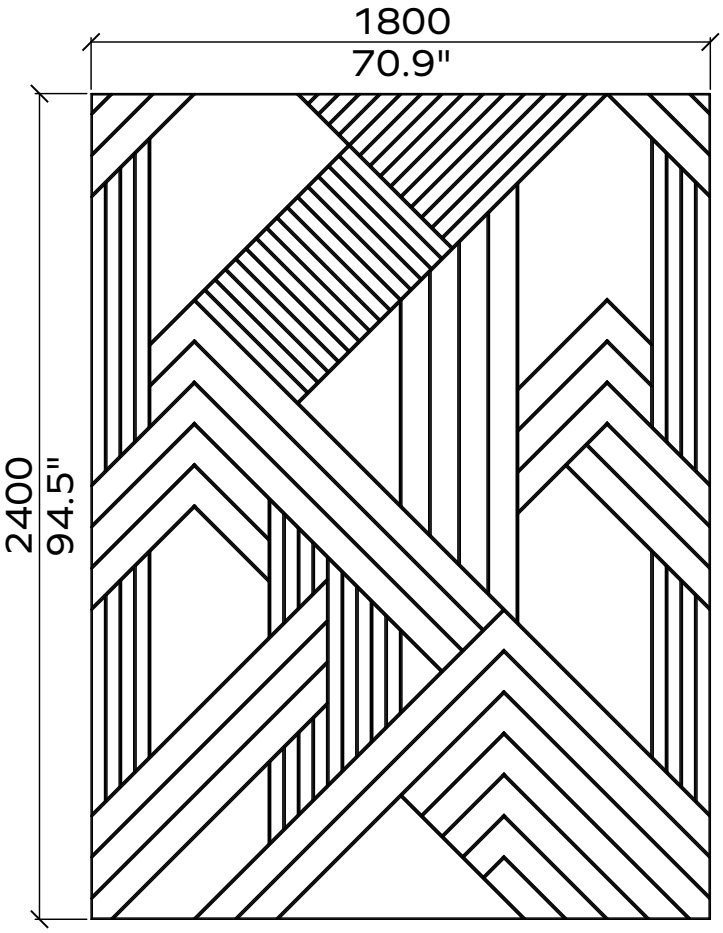


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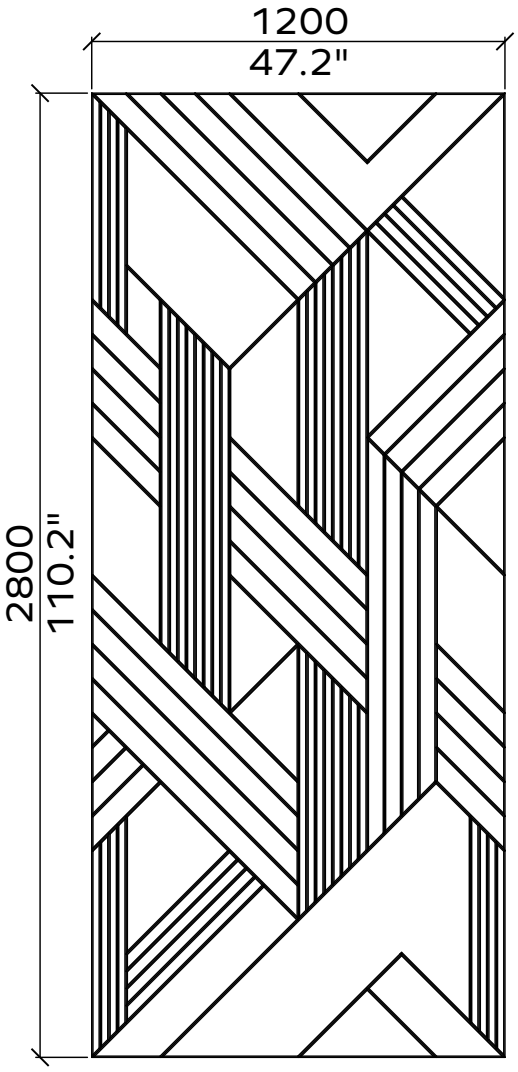


**1x**

All dimensions are nominal



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# CONTOUR

Custom solutions available

# Geometry Information

## Contour 24mm

**Applicable article numbers**

732.24.20.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Contour 12mm

**Applicable article numbers**

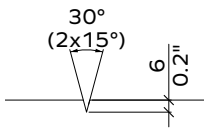
732.12.20.000.00 and .10

**Scope of delivery**

For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

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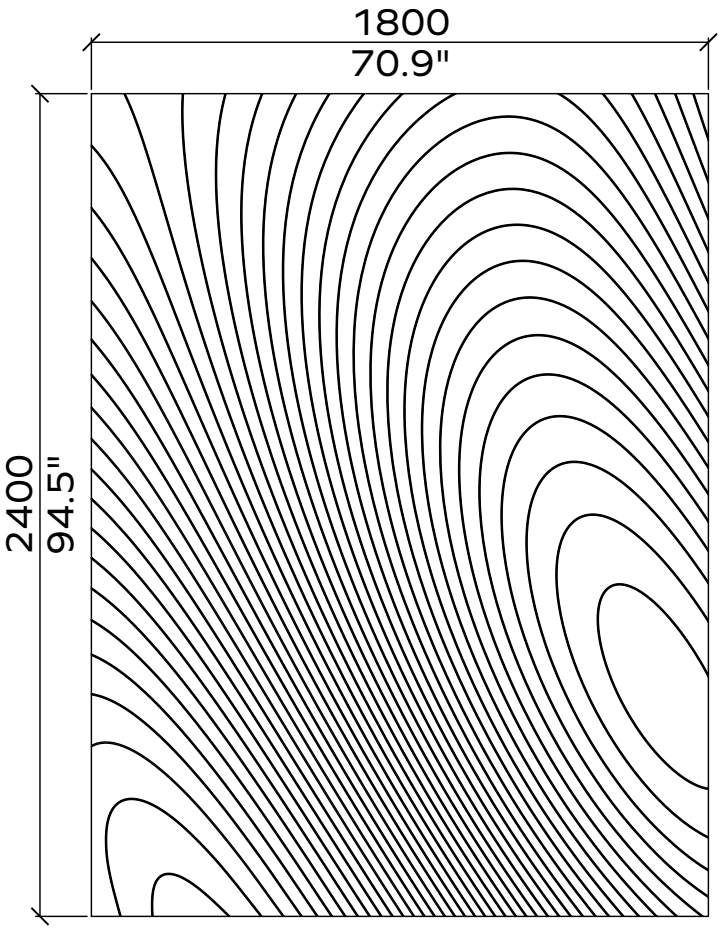


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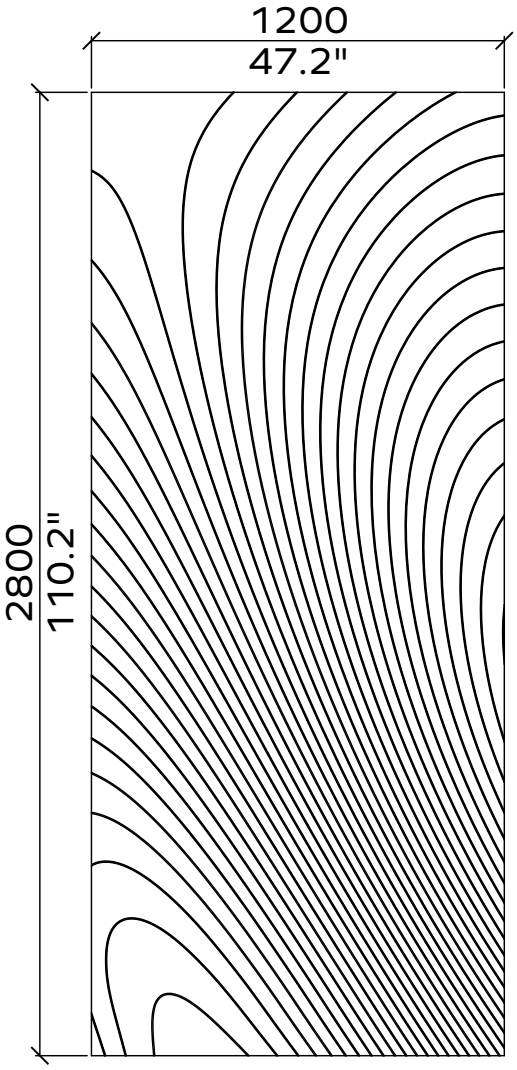


**1x**

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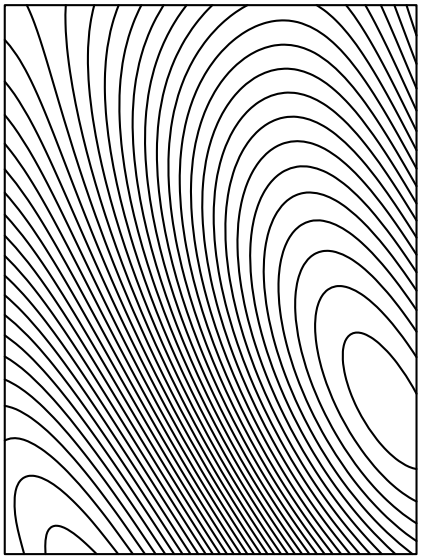
# CONTOUR

## Patterns 24mm



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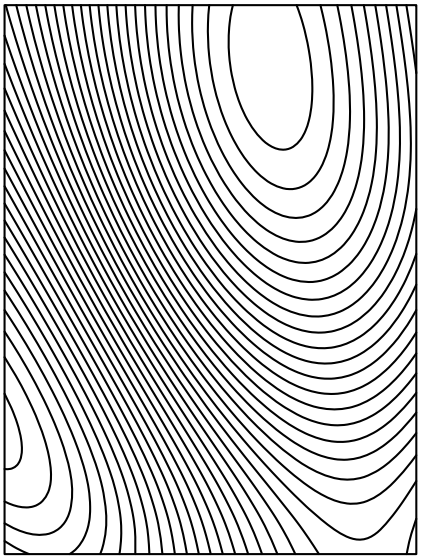

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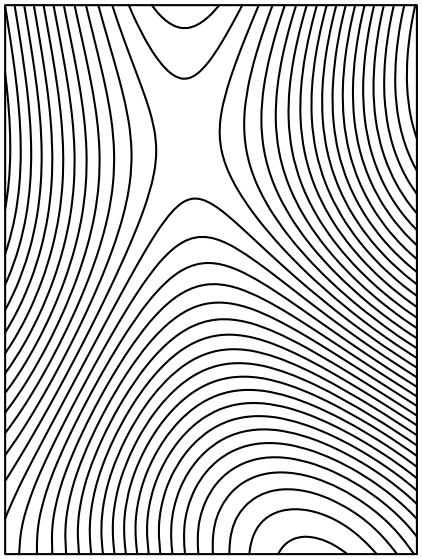

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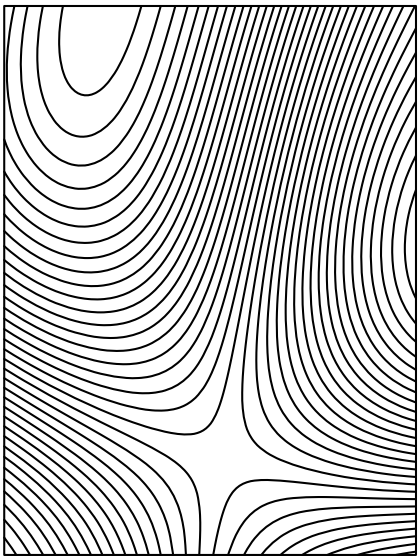

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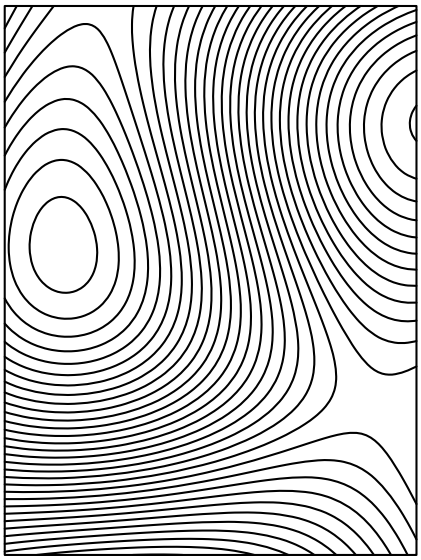

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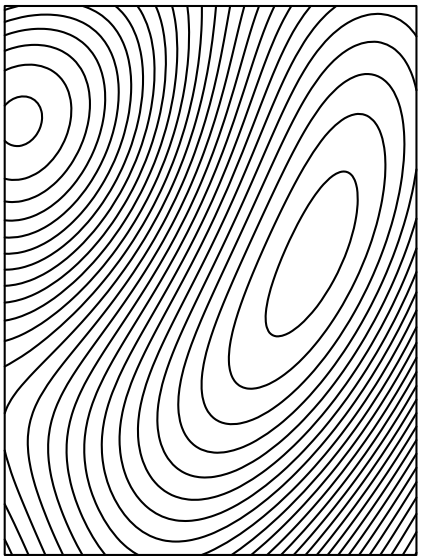

06


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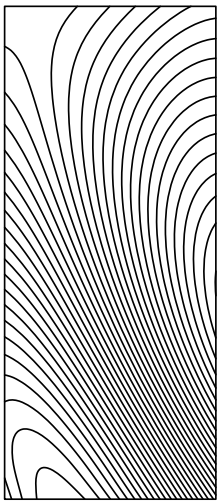
# CONTOUR

## Patterns 12mm



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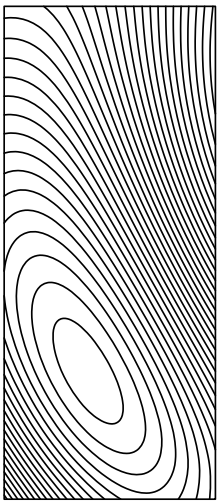

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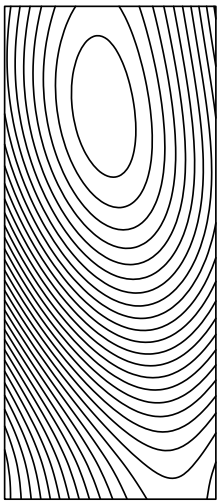

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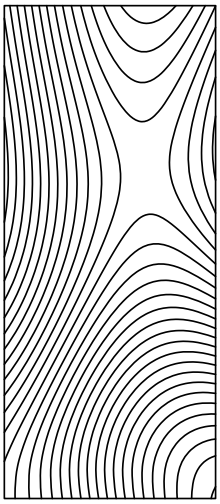

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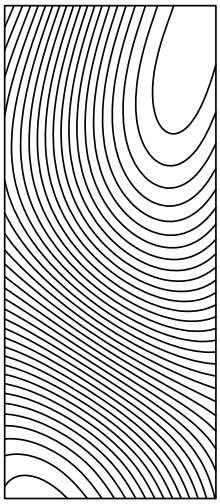

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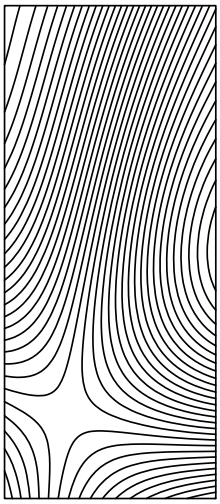

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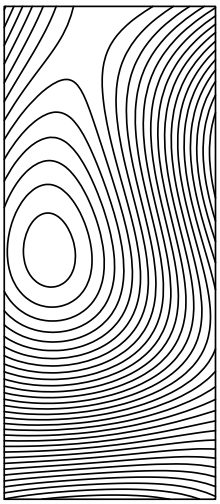

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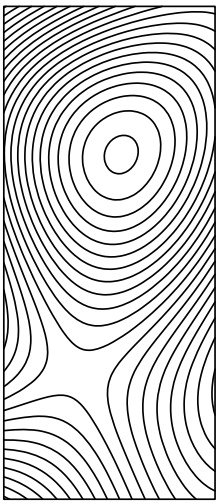

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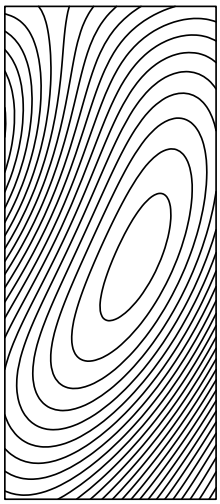

09


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# LOOP

Custom solutions available

# Geometry Information

## Loop 24mm

**Applicable article numbers**

732.24.21.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Loop 12mm

**Applicable article numbers**

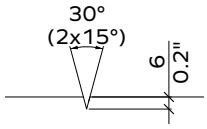
732.12.21.000.00 and .10

**Scope of delivery**

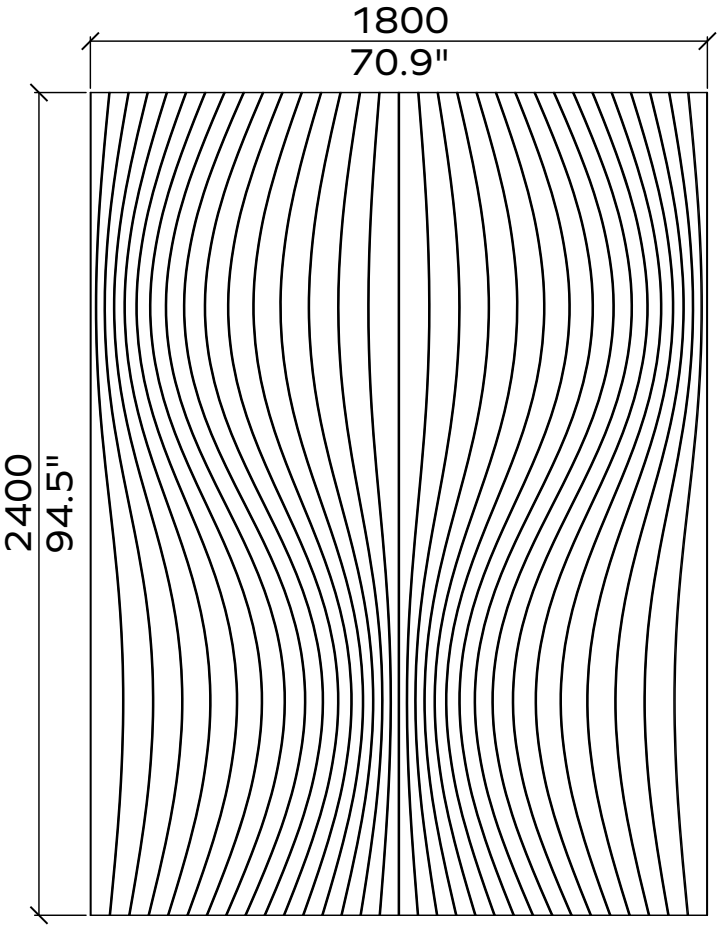
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

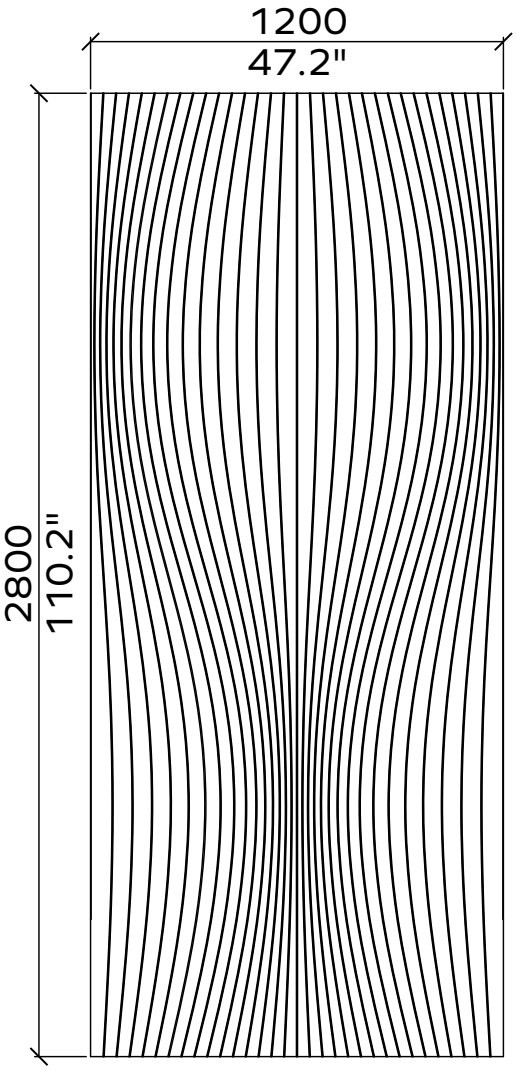
These panels are mounted with a concealed attachment system. For other options contact our consultants.




V-cut detail




**1x**




**1x**

All dimensions are nominal



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# MAYA

Custom solutions available

# Geometry Information

## Maya 24mm

**Applicable article numbers**

732.24.22.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Maya 12mm

**Applicable article numbers**

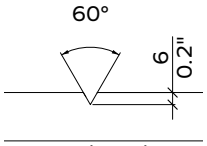
732.12.22.000.00 and .10

**Scope of delivery**

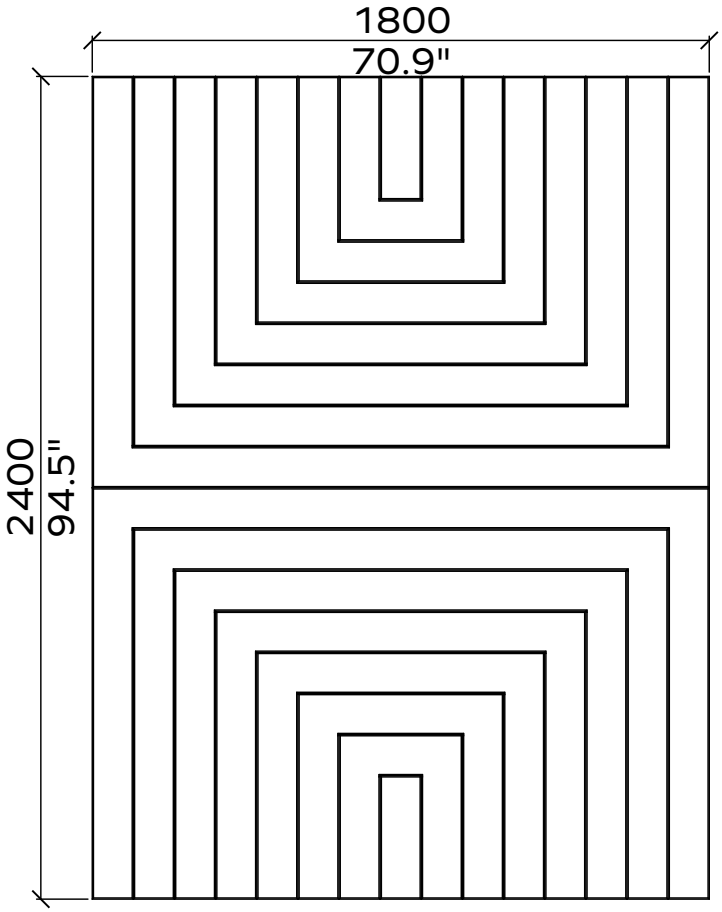
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

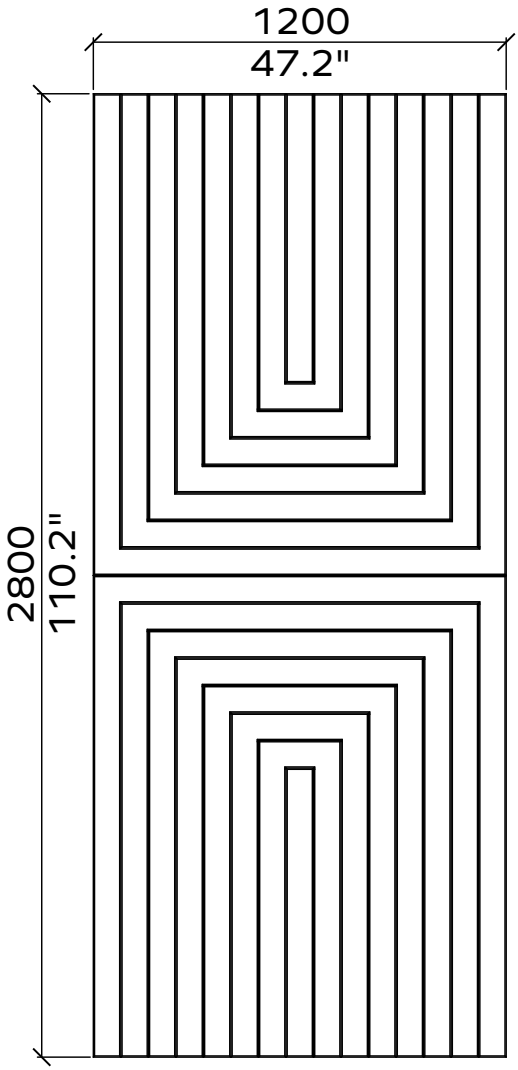
These panels are mounted with a concealed attachment system. For other options contact our consultants.




V-cut detail




**1x**




**1x**

All dimensions are nominal



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# FYLO

# Geometry Information

Custom solutions available

## Fylo 24mm

**Applicable article numbers**

732.24.23.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Fylo 12mm

**Applicable article numbers**

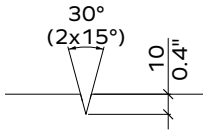
732.12.23.000.00 and .10

**Scope of delivery**

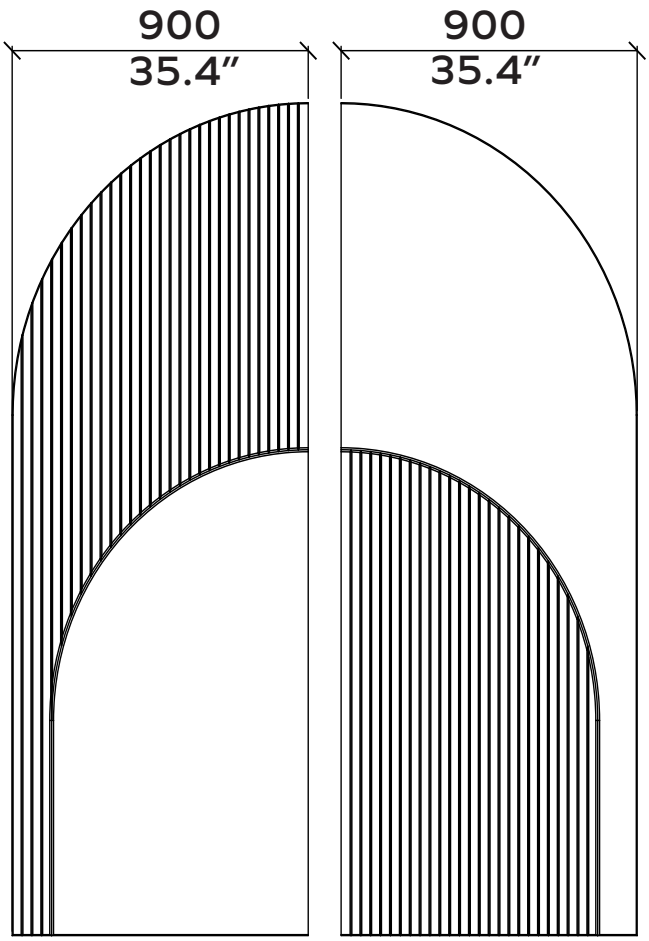
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

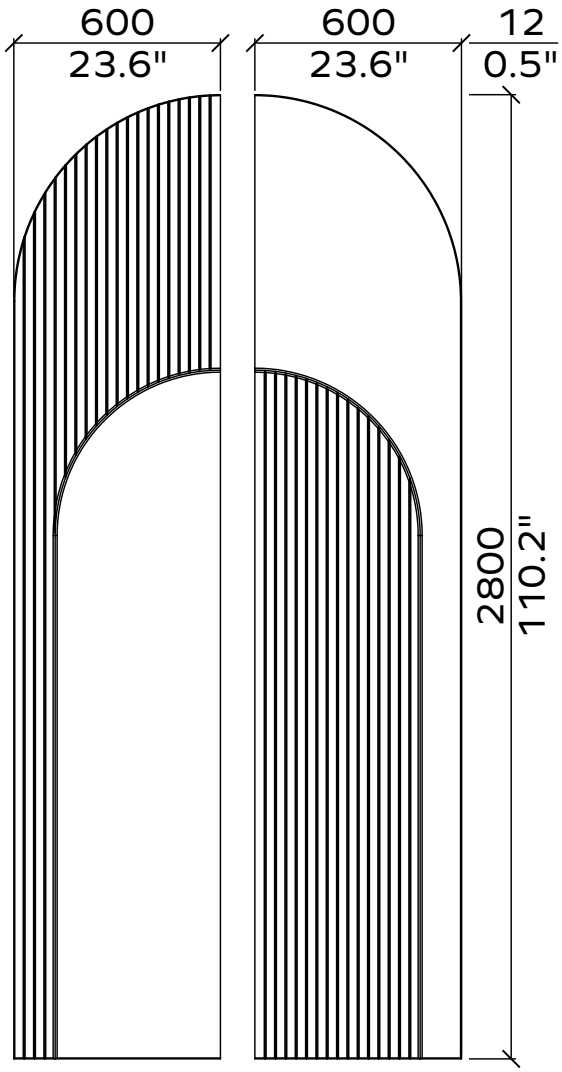
These panels are mounted with a concealed attachment system. For other options contact our consultants.




V-cut detail




**1x** **1x**




**1x** **1x**

All dimensions are nominal



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# COTTAGE

Custom solutions available

# Geometry Information

## Cottage 24mm

**Applicable article numbers**

732.24.24.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Cottage 12mm

**Applicable article numbers**

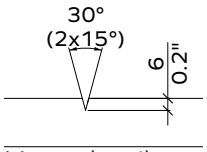
732.12.24.000.00 and .10

**Scope of delivery**

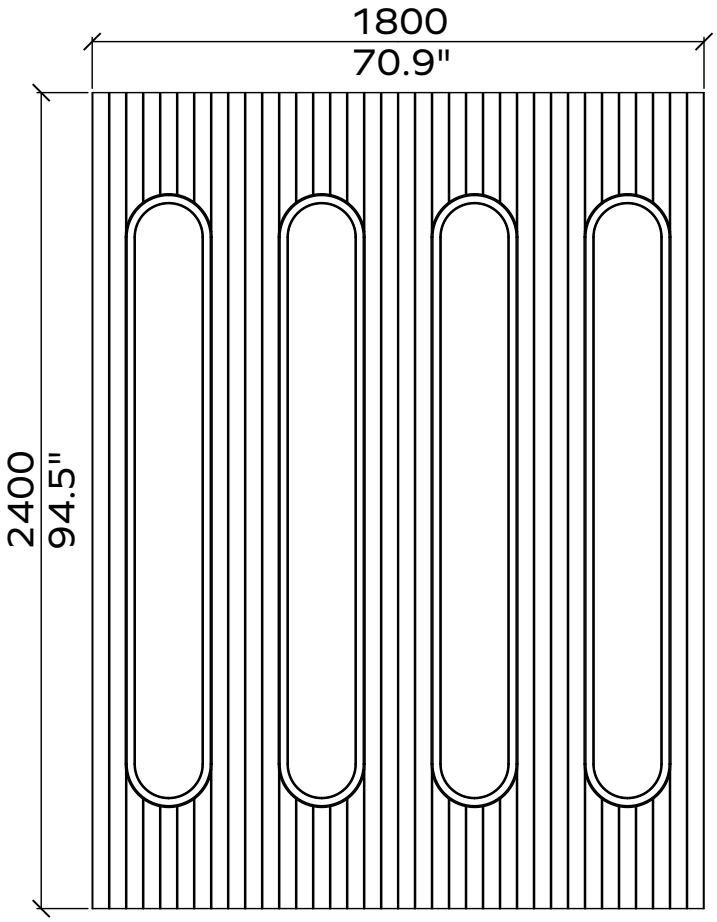
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

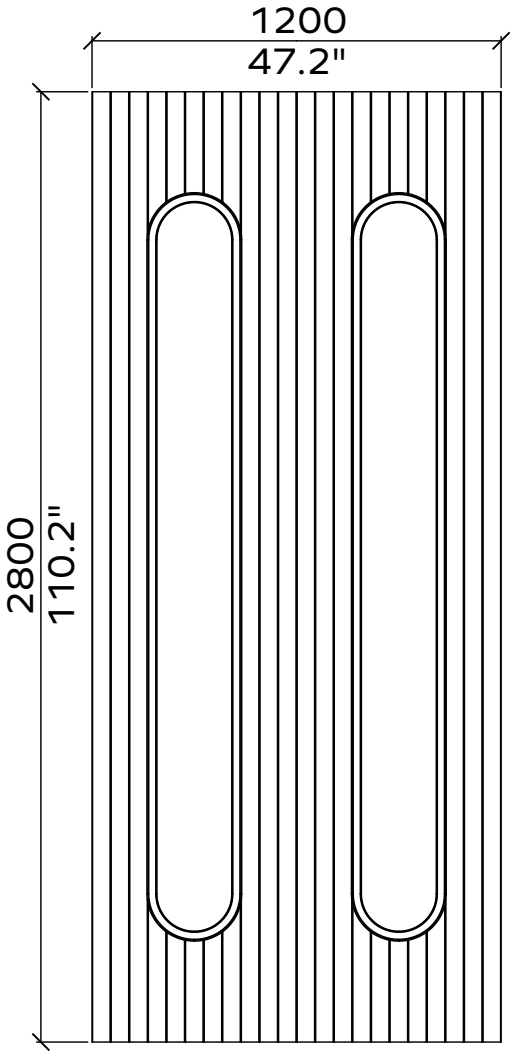
These panels are mounted with a concealed attachment system. For other options contact our consultants.




V-cut detail




**1x**




**1x**

All dimensions are nominal



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# FON

# Geometry Information

Custom solutions available

## Fon 24mm

**Applicable article numbers**

732.24.25.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Fon 12mm

**Applicable article numbers**

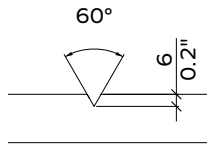
732.12.25.000.00 and .10

**Scope of delivery**

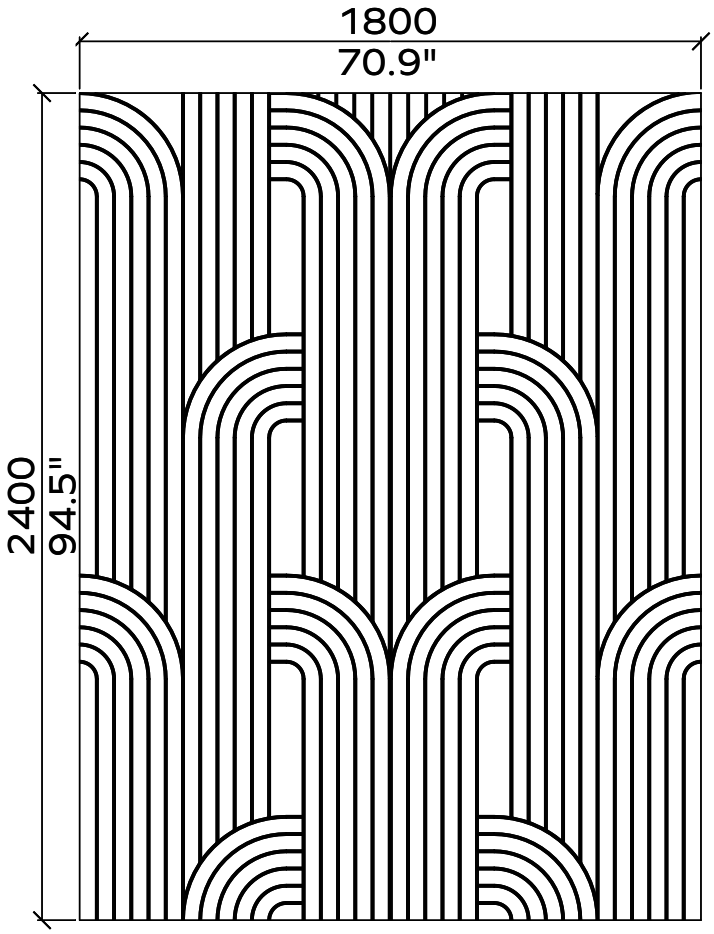
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




V-cut detail

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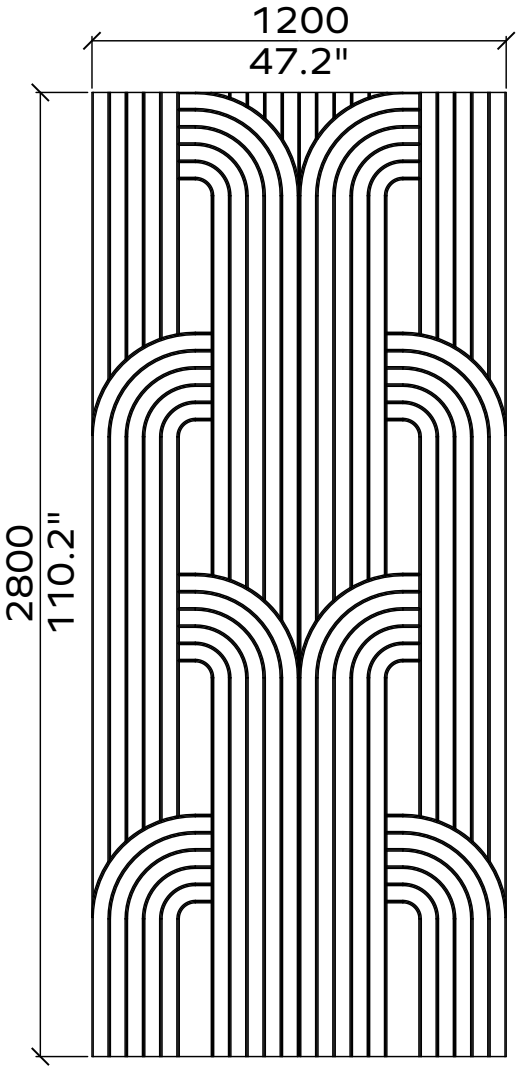


**1x**

All dimensions are nominal



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# PASS

Custom solutions available

# Geometry Information

## Pass 24mm

**Applicable article numbers**

732.24.26.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Pass 12mm

**Applicable article numbers**

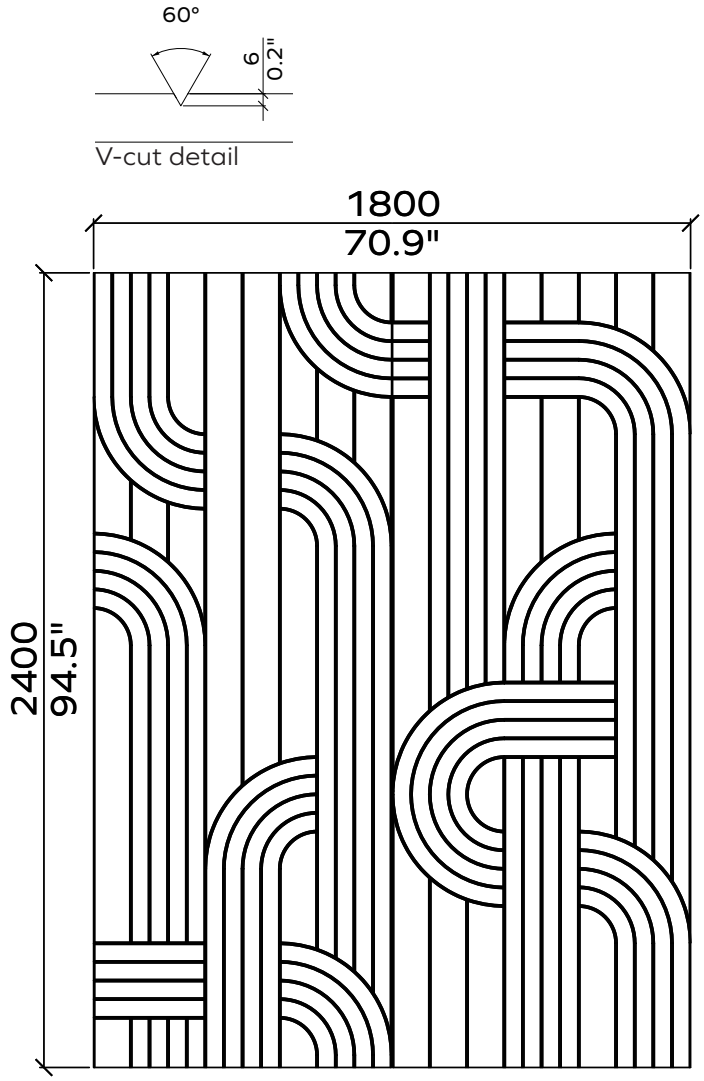
732.12.26.000.00 and .10

**Scope of delivery**

For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

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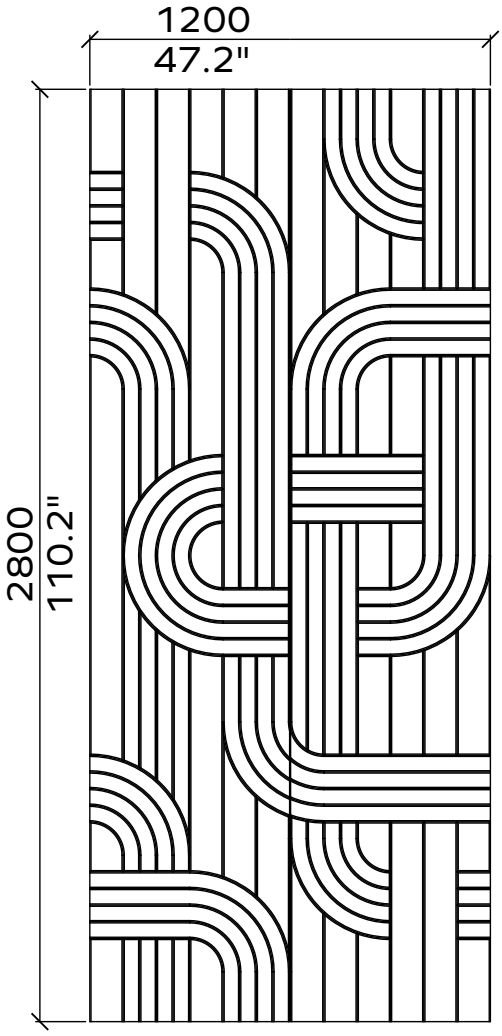


**1x**

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# BAU

Custom solutions available

# Geometry Information

## Bau 24mm

**Applicable article numbers**

732.24.27.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Bau 12mm

**Applicable article numbers**

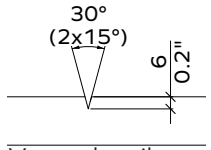
732.12.27.000.00 and .10

**Scope of delivery**

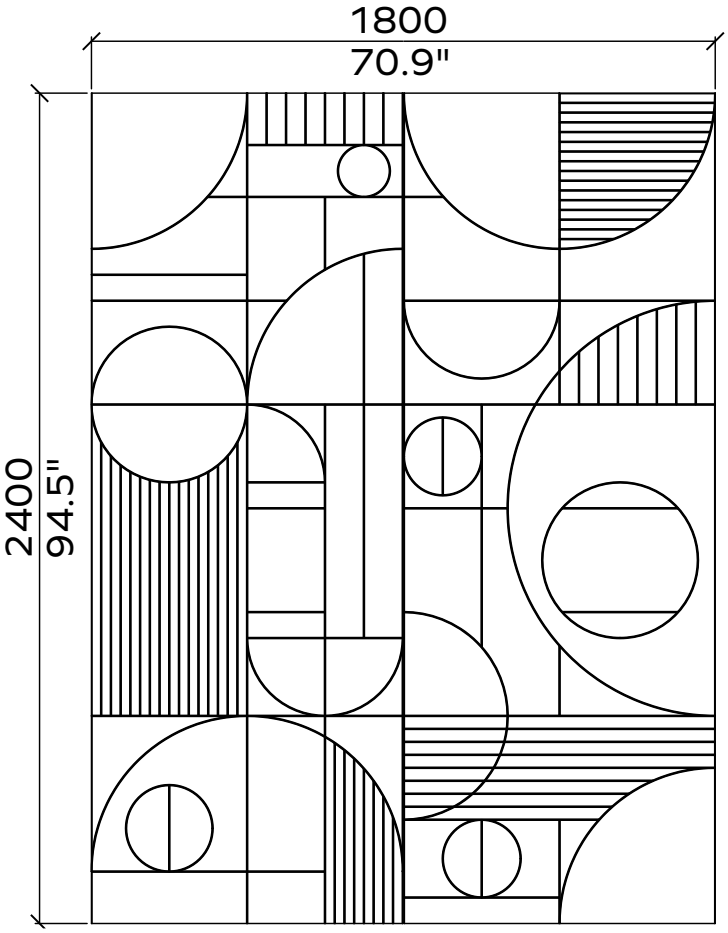
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




V-cut detail

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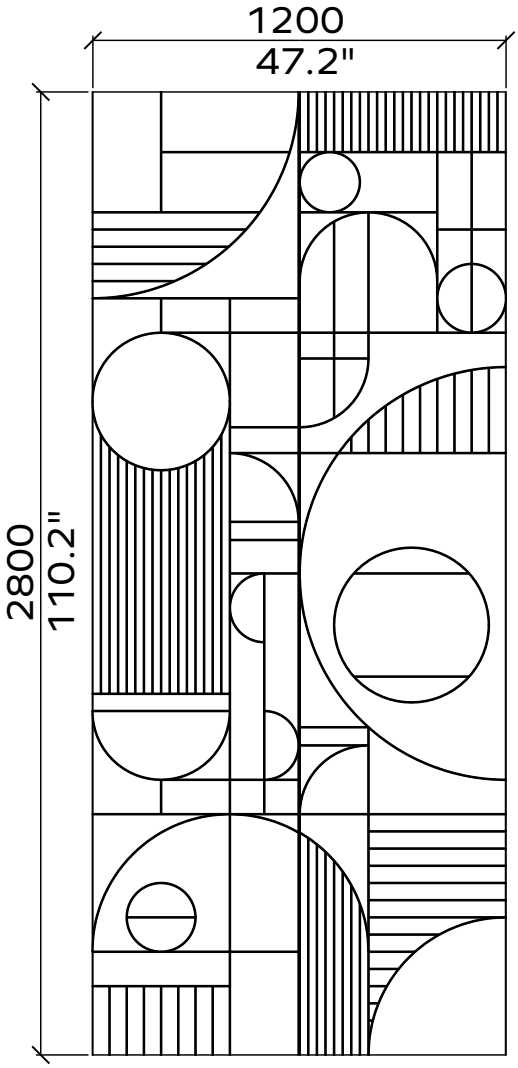


**1x**

All dimensions are nominal



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# VELA

Custom solutions available

# Geometry Information

## Vela 24mm

**Applicable article numbers**

732.24.28.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Vela 12mm

**Applicable article numbers**

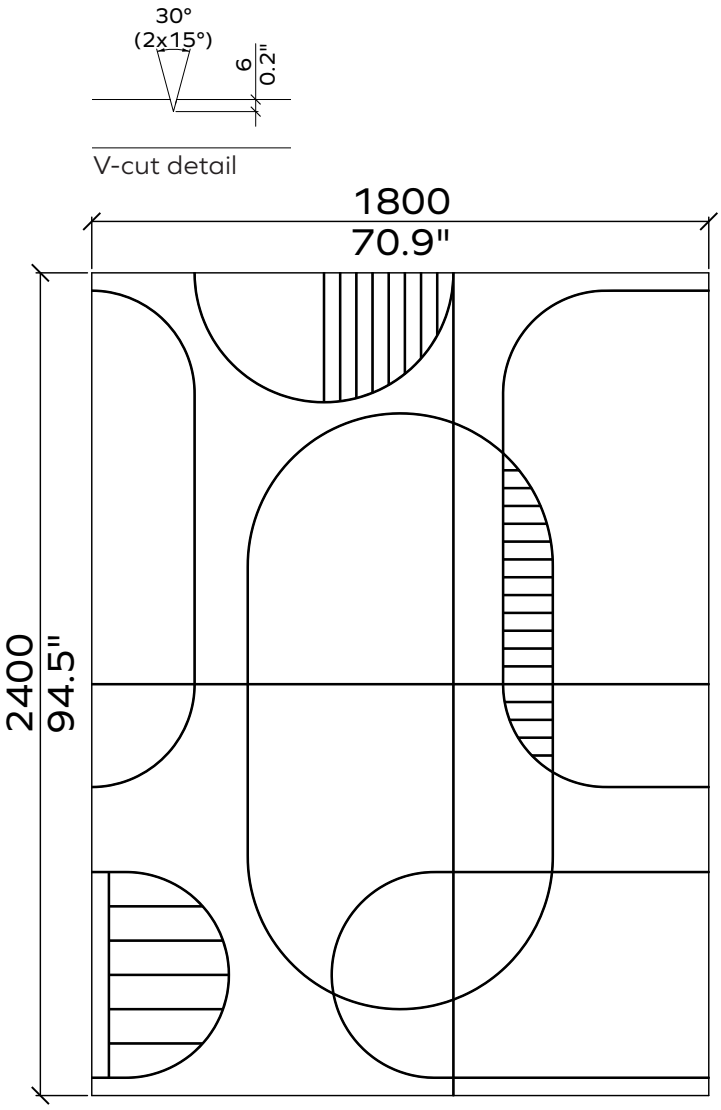
732.12.28.000.00 and .10

**Scope of delivery**

For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

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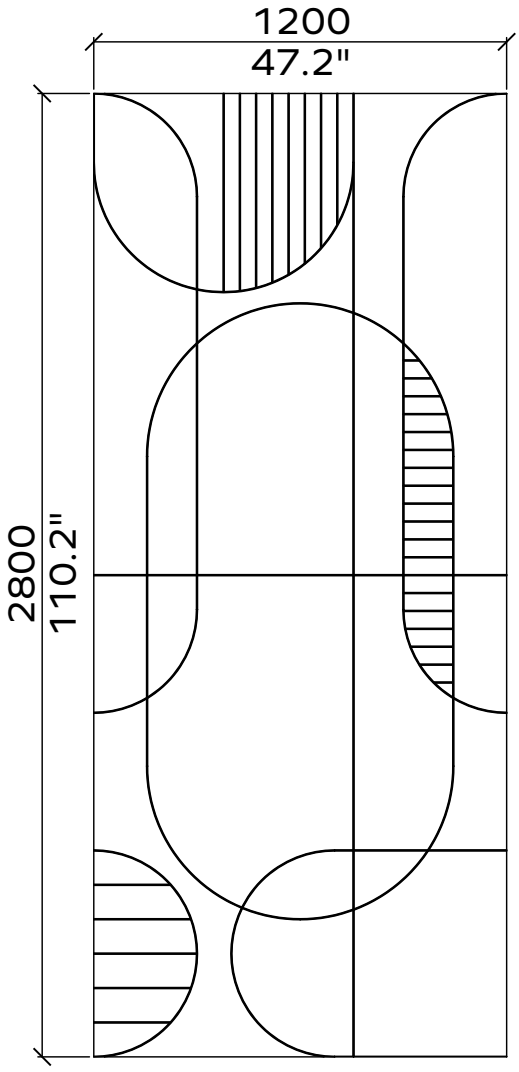


**1x**

All dimensions are nominal



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# TAPIS

Custom solutions available

# Geometry Information

## Tapis 24mm

**Applicable article numbers**

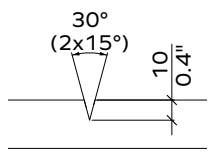
732.24.29.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

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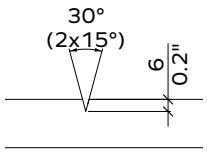


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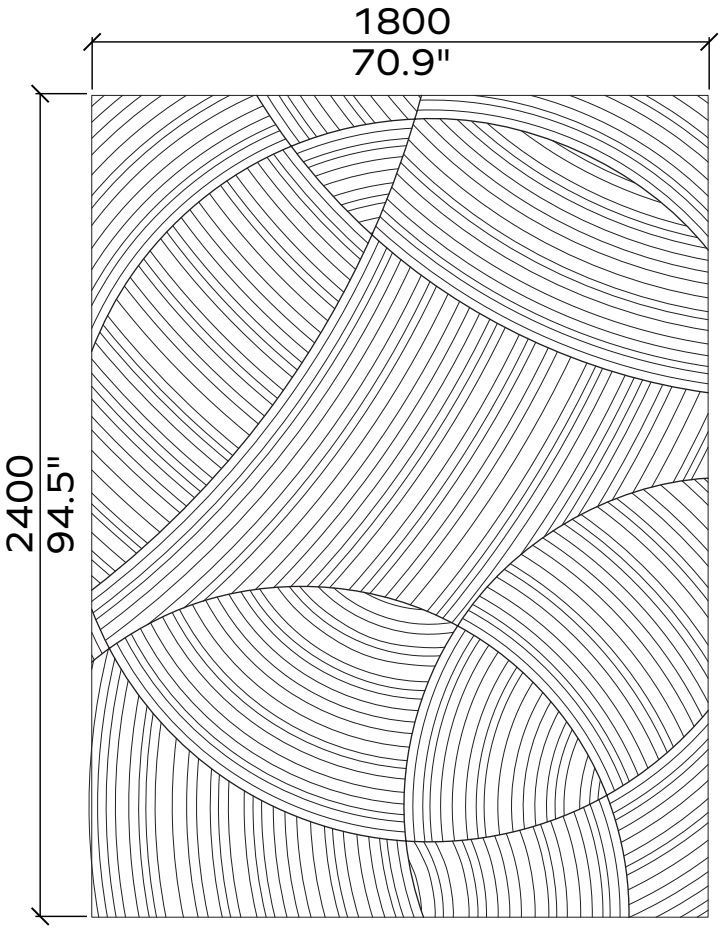



**1x**

## Tapis 12mm

**Applicable article numbers**

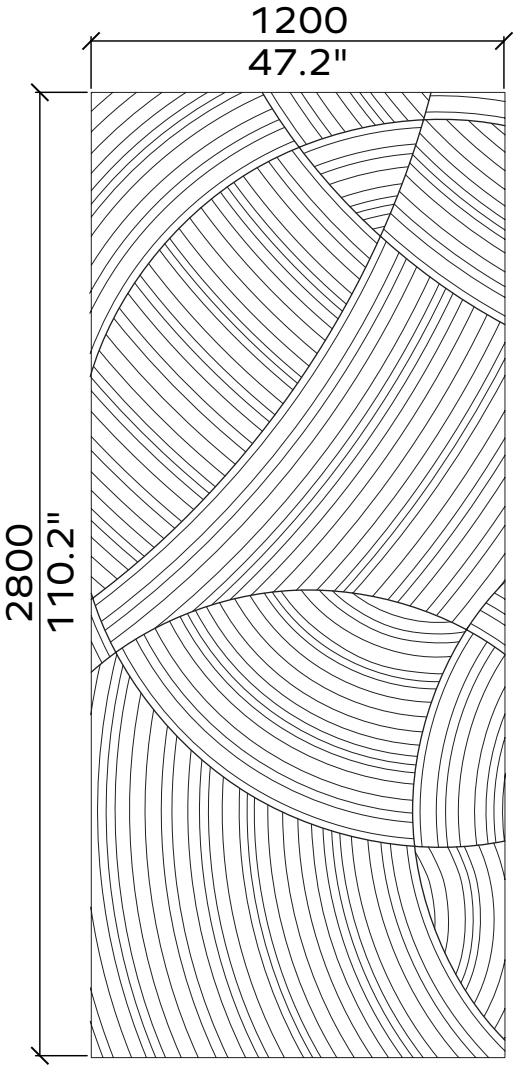
732.12.29.000.00 and .10

**Scope of delivery**

For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.




**1x**

All dimensions are nominal



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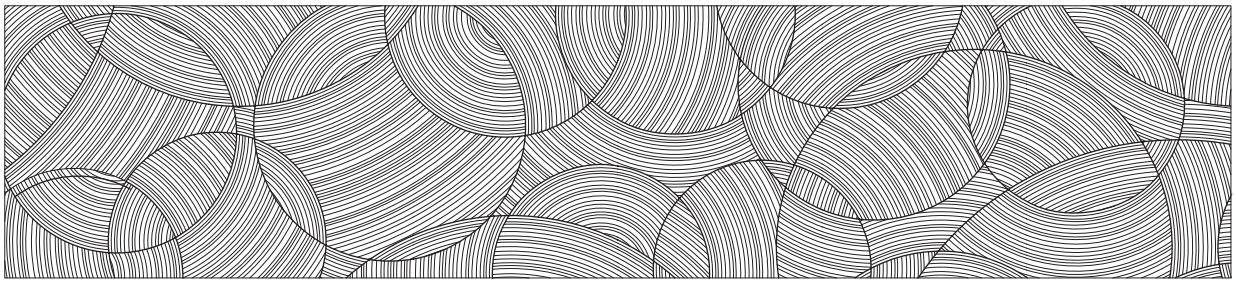
# TAPIS

## Patterns 24mm



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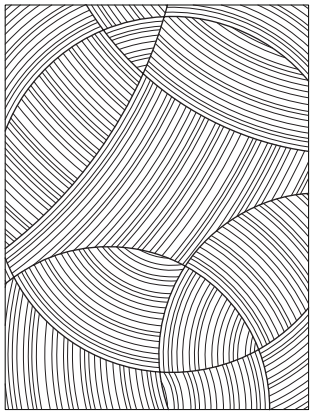

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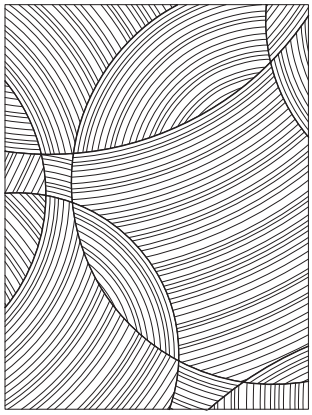

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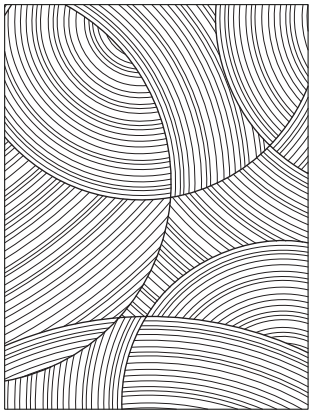

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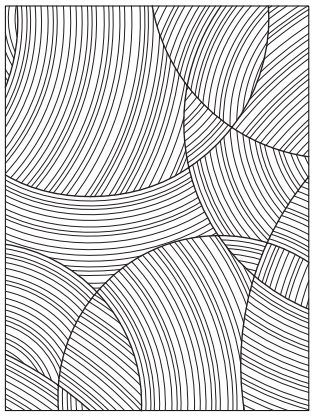

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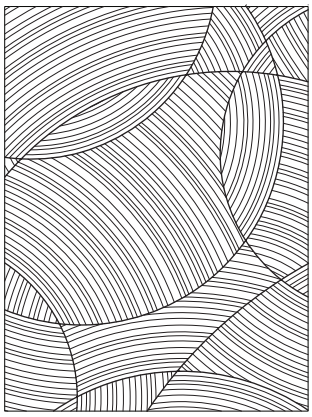

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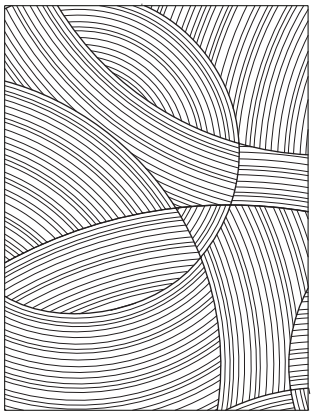

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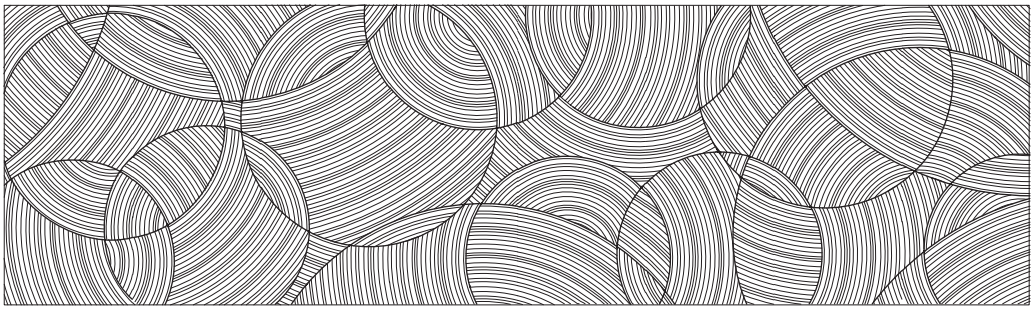
# TAPIS

## Patterns 12mm



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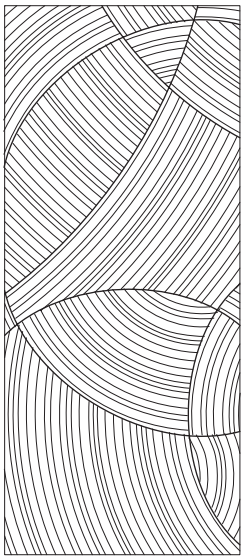

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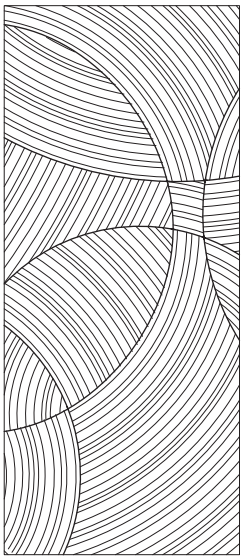

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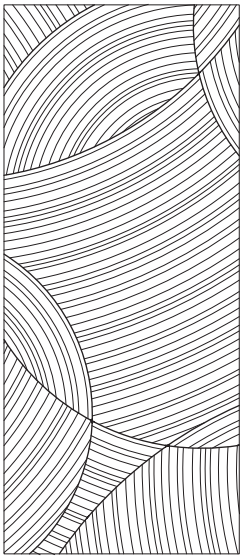

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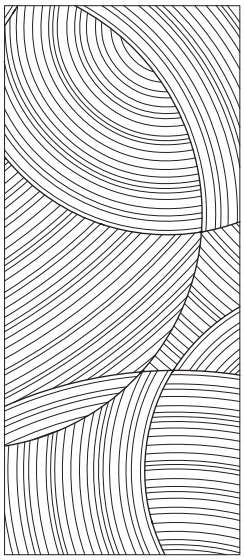

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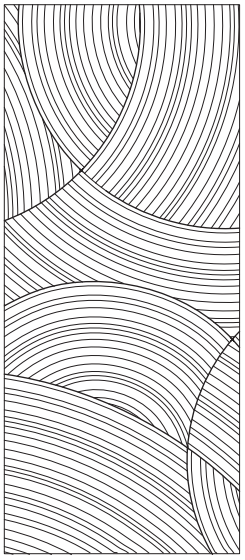

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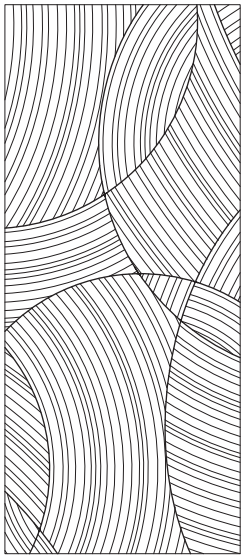

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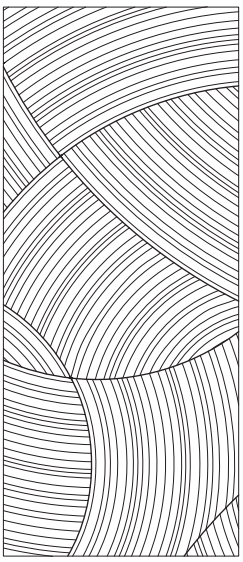

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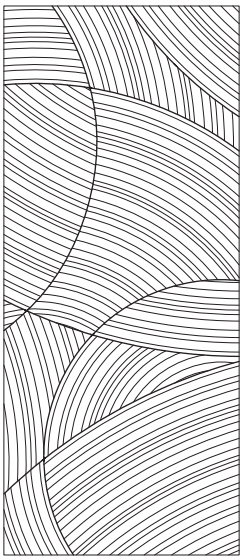

08


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# STREAM

# Geometry Information

Custom solutions available

## Stream 24mm

**Applicable article numbers**

732.24.30.000.00 and .10

**Scope of delivery**

For each 24mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

These panels are mounted with a concealed attachment system. For other options contact our consultants.

## Stream 12mm

**Applicable article numbers**

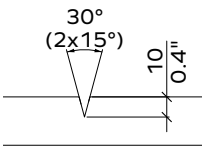
732.12.30.000.00 and .10

**Scope of delivery**

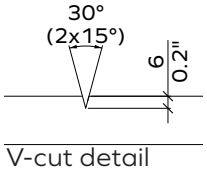
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Installation**

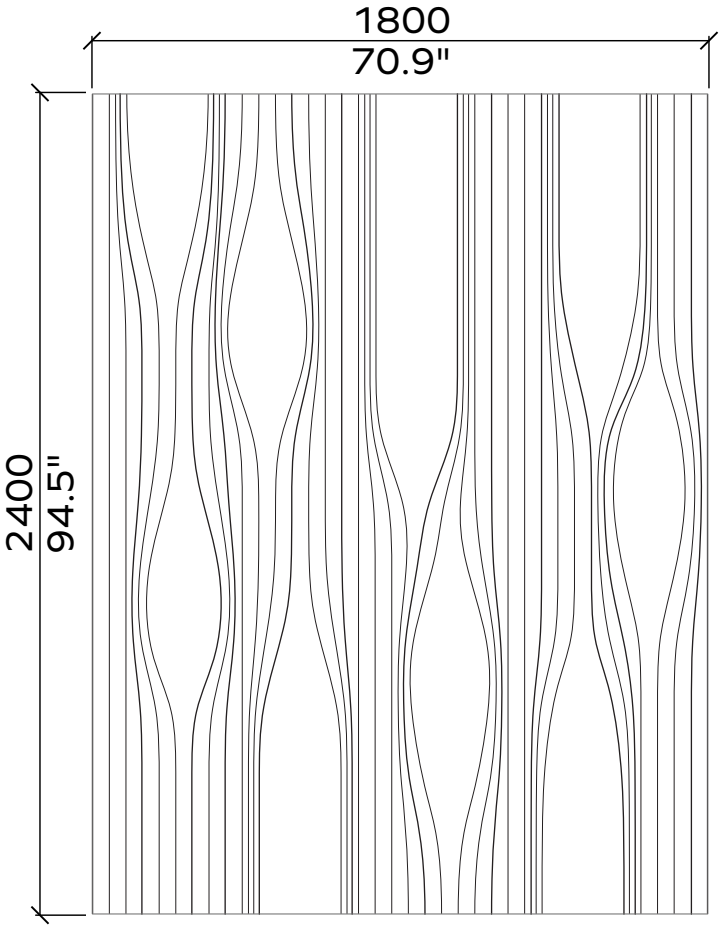
These panels are mounted with a concealed attachment system. For other options contact our consultants.




V-cut detail




V-cut detail

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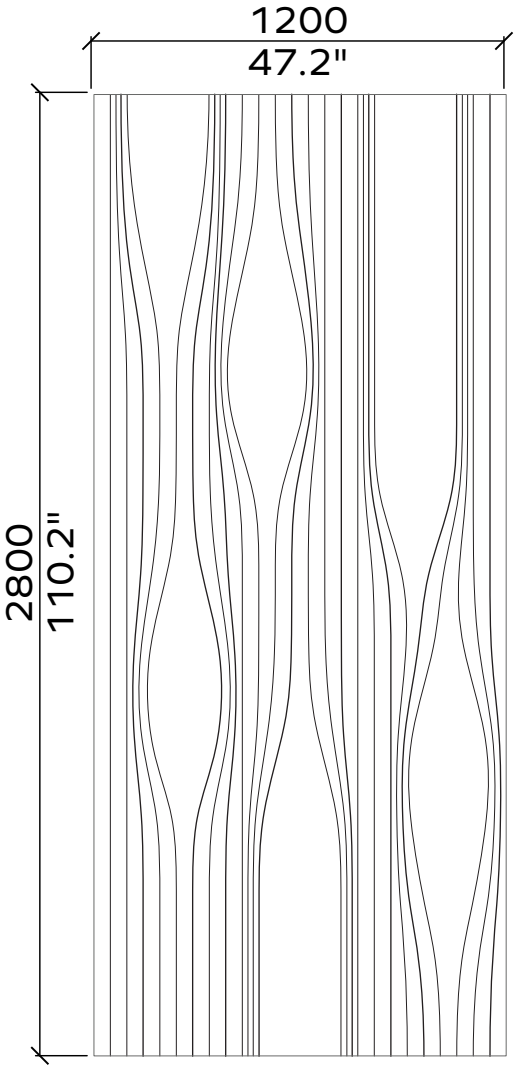


**1x**

All dimensions are nominal



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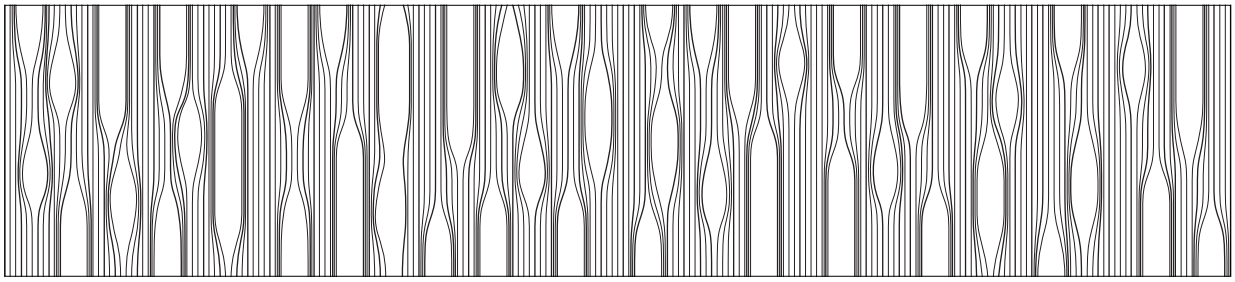
# STREAM

## Patterns 24mm



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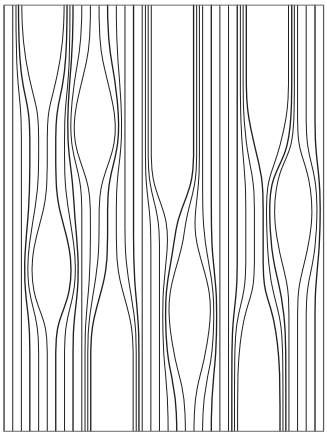

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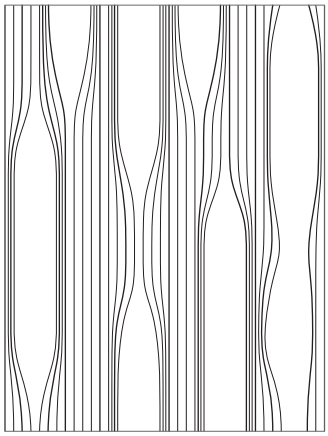

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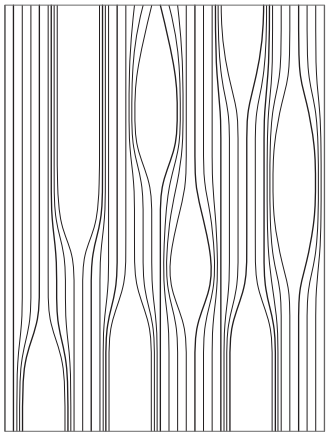

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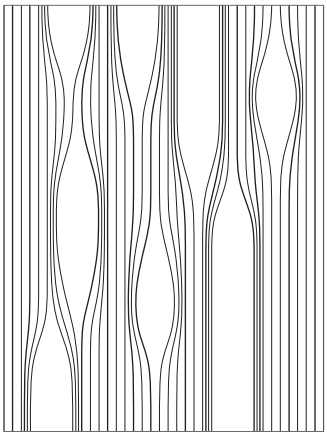

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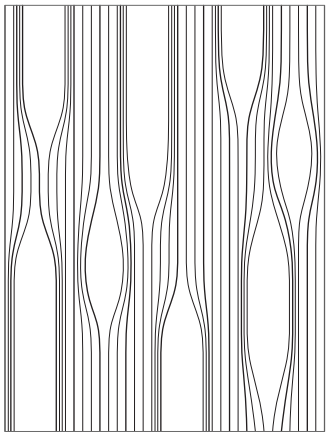

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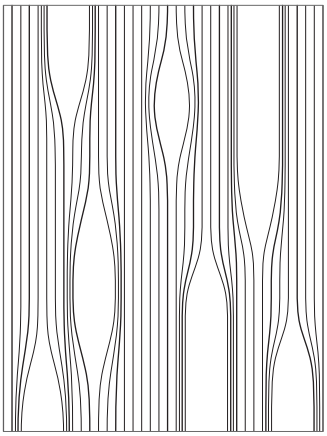

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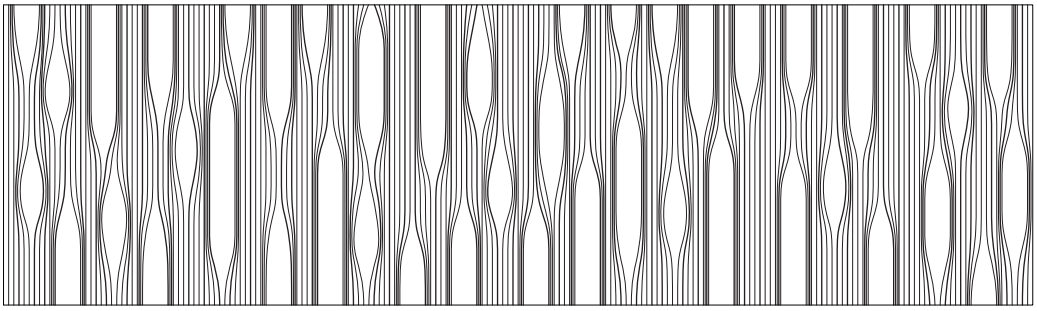
# STREAM

## Patterns 12mm



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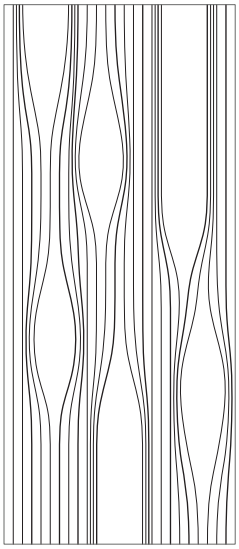

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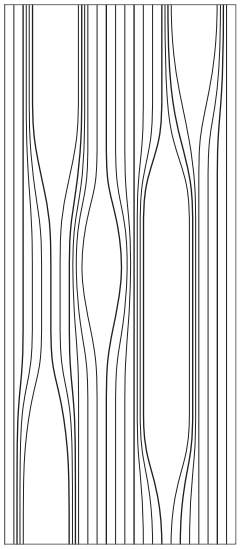

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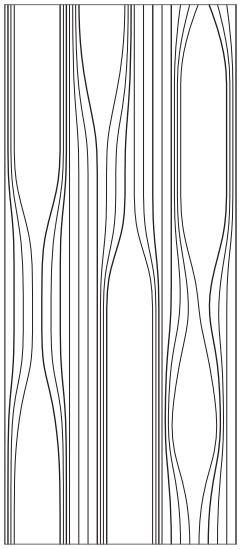

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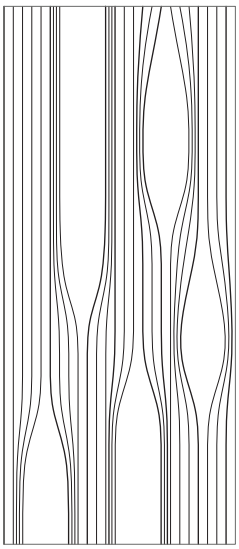

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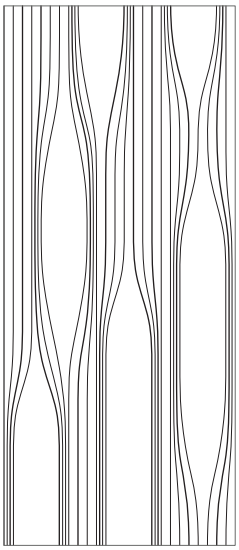

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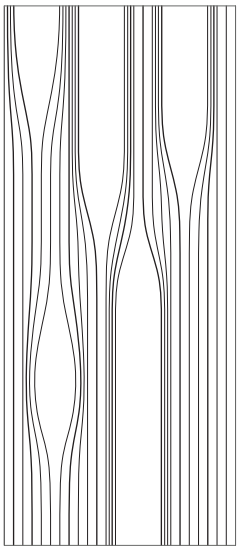

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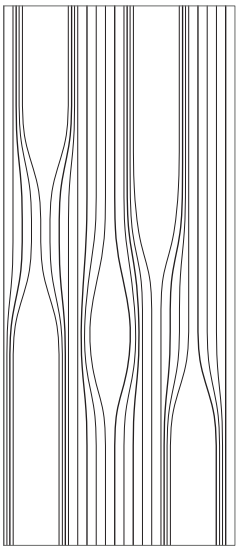

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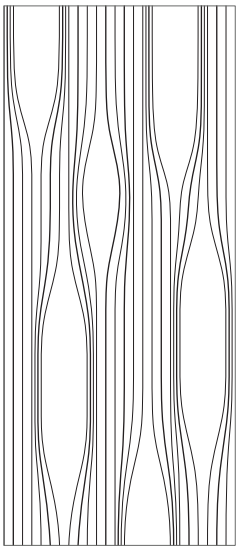

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# ARCHISONIC®
# Colours

Material brochure available

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Name** | Snow White | Cloud | Smoke | Slate | Charcoal | Raven | Ground | Gull | Milk |
| **Code** | **500** | **103** | **442** | **444** | **542** | **550** | **108** | **144** | **404** |
| **NCS** | S 0300-N | S 1002-B | S 3005-R80B | S 4500-N | S 7502-B | S 8500-N | S 5005-Y20R | S 2502-Y | S 0502-Y |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Name** | Linen | Dune[S] | Jute | Fallow[S] | Warm Stone | Truffle[S] | Sunshine | Honeycomb | Electric Orange |
| **Code** | **107** | **104** | **920** | **238** | **105** | **539** | **846** | **139** | **464** |
| **NCS** | S 1505-Y30R | S 2005-Y | S 3010-Y30R | S 5010-Y30R | S 3010-Y50R | S 8502-R | S 1040-Y10R | S 2050-Y20R | S 0580-Y70R |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Name** | Terracotta | Soft Coral | Cinnabar[S] | Shell Pink | Garnet | Poster Red | Hot Pink | Grape | Marine Blue |
| **Code** | **239** | **516** | **725** | **102** | **724** | **662** | **140** | **540** | **864** |
| **NCS** | S 4040-Y70R | S 2020-Y90R | S 6030-R | S 0510-R30B | S 5040-R10B | S 1080-R | S 2060-R20B | S 5040-R40B | S 4050-R70B |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Name** | Midnight | Royal Blue[S] | Winter Sky | Deep Sea | Nocturne[S] | True Navy | Ice Blue | Pacific Ocean | Lagoon[S] |
| **Code** | **810** | **865** | **410** | **918** | **866** | **194** | **304** | **432** | **917** |
| **NCS** | S 7020-R70B | S 3560-R80B | S 2020-R90 B | S 5020-R90B | S 8010-R90B | S 8005-B | S 0510-B | S 3040-B | S 7020-B30G |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Name** | Succulent | Spearmint | Seafoam[S] | Nordic Pine | Moss | Grove | Pistachio[S] | Lichen | Fern |
| **Code** | **712** | **706** | **710** | **311** | **439** | **317** | **315** | **160** | **180** |
| **NCS** | S 3020-B30G | S 1010-B90G | S 3010-G30Y | S 5030-G10Y | S 2040-G40Y | S 7020-G30Y | S 5020-Y | S 4005-Y | S 6010-G90Y |

These NCS codes are the closest visual match available and may not be exact to blended fibres.
S - Solid Colours, additional charge might apply.

ARCHISONIC®

## Colours

Experience our ARCHISONIC® Felt material with a stunning selection of 45 colours across 9 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colours to create harmonious palettes that suit your preferences. Discover more in our Materials brochure and order your free sample box today.

## Colour fastness

**Class 6**

ISO 105-B02:A1

## Order a free sample box

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# **ARCHI**SONIC® Felt
# Material Specification

| | | |
|---|---|---|
| **Product Name** | ARCHISONIC® Felt | |
| **Content** | 100% PET (60% certified post-consumer content) | |
| **Thickness**[1] | 12mm (0.47”) | 24mm (0.94”) |
| **Max. Size** | 1200x2800mm (47”x110”) | 1800x2400mm (70”x94”) |
| **Acoustic**[2] | **ASTM:** NRC=0.6 **ISO**: αw=0.65 | **ASTM**: NRC=0.9 **ISO**: αw=0.95 |
| **Density**[1] | 2400 g/m² (0.49 lbs/ sqft) | 4000 g/m² (0.82 lbs/sqft) |
| **Colour Fastness** | **Class 6** ISO 105-B02:A1 | |
| **Colours and finishes** | **45 colours** (see ARCHISONIC® Felt Colour page for more information) | |
| **Maintenance** | For daily cleaning we recommend alcohol solution (75%), e.g. Pantasept. In case of contamination by dust or fluff, use feather duster or a regular vacuum cleaner. For heavy dirt, treat the material with hydrogen peroxide. | |
| **Lead time**[3] | 21 days | |
| **Fire Rating**[4] | DIN EN 13501-1: **B-s1, d0** | ASTM E84 **Class A** |
| **VOC Emission** | **Indoor Air Comfort® GOLD**<br>Compliance with leading international indoor air quality standards and sustainable building schemes across Europe and North America, including LEED, WELL, BREEAM, M1, AgBB, EMICODE, EU Taxonomy and REACH requirements. Additional documentation available upon request. | |
| **Thermal Conductivity**[5] | 12 mm: 0.039 W/m·K<br>24 mm: 0.037 W/m·K | |
| **Thermal Resistance**[5] | 12 mm: 0.30 m²K/W<br>24 mm: 0.65 m²K/W | |
| **Certifications** | Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climate-KIC, SCS Recycled Content | |
| **Durability** | Contract | |

1 - all values are nominal 2 - measured with 300mm air cavity 3 - depending on the location and type of product
4 - the following colours carry a B-S2 fire certificate rating: Hot Pink 140 12mm, Lichen 160 12mm, True Navy 194 24mm, Pacific Ocean 432 24mm, Pacific Ocean 432 12mm, Electric Orange 464 24mm, Soft Coral 516 24mm, Raven 550 24mm, Raven 550 12mm, Poster Red 662 12mm, Garnet 724 12mm, Midnight 810 24mm, Marine Blue 864 24mm
5 - values based on third-party testing according to ASTM C518.

Climate-KIC is supported by the EIT, a body of the European Union


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# Wall Panels
## Acoustic Performance

University of Stuttgart
Germany

### Testing Standards

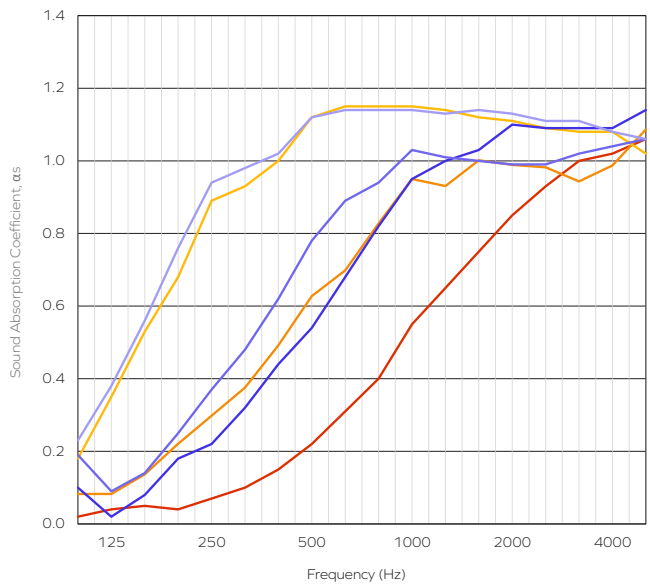
| | |
|---|---|
| ISO 354:2003 | Acoustics — Measurement of sound absorption in a reverberation room |
| ISO 11654:1997 | Acoustics — Sound absorbers for use in buildings — Rating of sound absorption |
| ISO 20189:2018 | Acoustics — Screens, furniture and single objects intended for interior use — Rating of sound absorption and sound reduction of elements based on laboratory measurements |
| ASTM C423-17 | Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method |
| ASTM E795-16 | Standard Practices for Mounting Test Specimens During Sound Absorption Tests |

| Acoustic Test Results | αw | SAA | NRC |
|---|---|---|---|
| Archisonic 12mm (no air cavity) | 0.3 (MH) | 0.42 | 0.45 |
| Archisonic 12mm (50mm air cavity) | 0.6 (MH) | 0.70 | 0.70 |
| Archisonic 12mm (50mm insulation) | 1.00 | 1.00 | 1.00 |
| Archisonic 24mm (no air cavity) | 0.55 (MH) | 0.70 | 0.70 |
| Archisonic 24mm (50mm air cavity) | 0.65 (MH) | 0.78 | 0.80 |
| Archisonic 24mm (50mm insulation) | 1.00 | 1.00 | 1.00 |

The NRC rating is calculated as the average of the absorption coefficients measured at frequencies of 250Hz, 500Hz, 1000Hz and 2000Hz and round to the nearest 0.05. SAA rating is calculated as the average of the sound absorption coefficients of a material for the twelve one-third octave bands from 200Hz through 2500Hz and rounded off to the nearest 0.01.

### Acoustic Performance

| Frequency (Hz) | | 125 | 250 | 500 | 1000 | 2000 | 4000 |
|---|---|---|---|---|---|---|---|
| Archisonic 12mm (no air cavity) | $\alpha_p$ | 0.05 | 0.05 | 0.25 | 0.55 | 0.85 | 1.00 |
| Archisonic 12mm (50mm air cavity) | $\alpha_p$ | 0.10 | 0.30 | 0.60 | 0.90 | 1.00 | 1.00 |
| Archisonic 12mm (50mm insulation) | $\alpha_p$ | 0.35 | 0.85 | 1.00 | 1.00 | 1.00 | 1.00 |
| Archisonic 24mm (no air cavity) | $\alpha_p$ | 0.05 | 0.25 | 0.55 | 0.90 | 1.00 | 1.00 |
| Archisonic 24mm (50mm air cavity) | $\alpha_p$ | 0.15 | 0.35 | 0.75 | 1.00 | 1.00 | 1.00 |
| Archisonic 24mm (50mm insulation) | $\alpha_p$ | 0.40 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 |




- Archisonic 12mm (no air cavity)
- Archisonic 12mm (50mm air cavity)
- Archisonic 12mm (50mm insulation)
- Archisonic 24mm (no air cavity)
- Archisonic 24mm (50mm air cavity)
- Archisonic 24mm (50mm insulation)

The table represents the practical sound absorption coefficient ($\alpha_p$) in accordance with ISO 11654. The graph represents the sound absorption coefficients (αs) in the third octave band center frequencies in accordance with ISO 354. Measurement used Pink Noise as excitation signal in a reverberant room.



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# Wall Panels

## Reference Projects

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# Wall Panels
## Additional Information

## Online Resources

A variety of resources are available online for all of our products. Please visit the product's page for more information.

- CAD files
- Datasheets and Installation Guide
- Colour families
- Instruction videos
- Associated products specifications

## Ordering Process

Our experienced team of Project Consultants will guide and support you throughout the order process. We fulfil the majority of our orders in as little as 21 days[1] from your first point of contact, allowing you to focus on what truly matters to you.

Contact our consultant → Quote[1] (48 h) → Order Confirmation → Production[1] (2 - 3 Weeks) → Dispatch → Transit (location based) → Delivery

## Contact Us

Ready to make an impact? We are just an email or call away to discuss your project and answer any questions.

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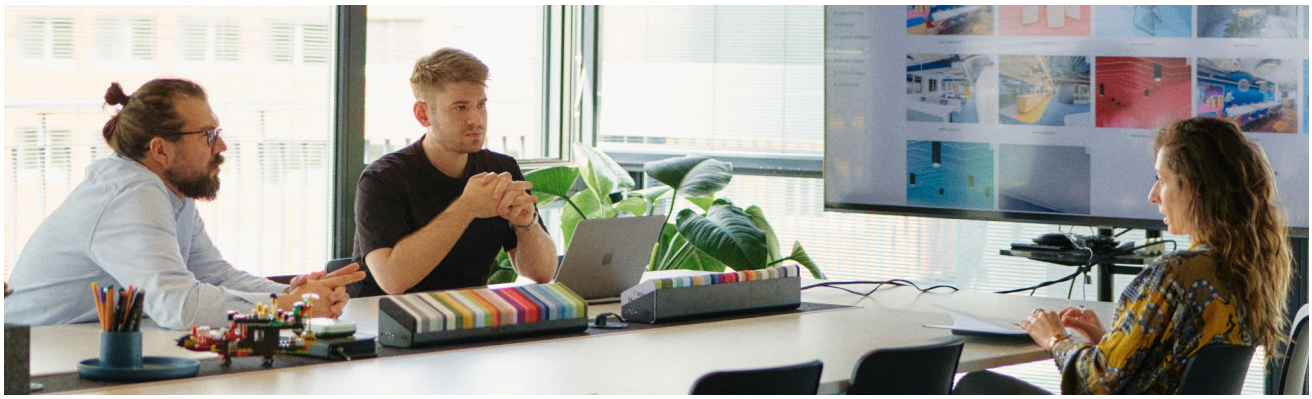

1 - Quote and Production times may vary.


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