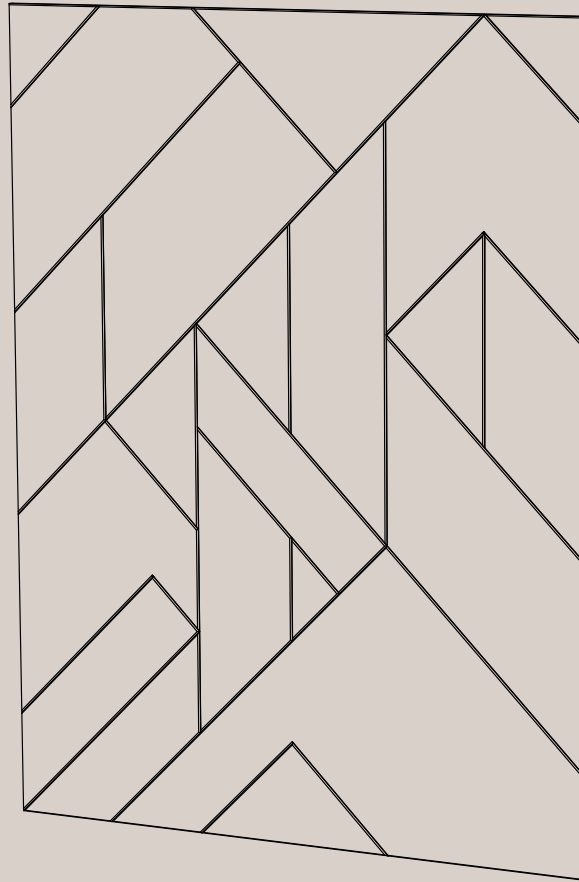


IMPACT ACOUSTIC®



HABITAT
MATTER

habitatmatter.com
spec@habitatmatter.com



Maze

Wall Covering

732.24.18.000.00

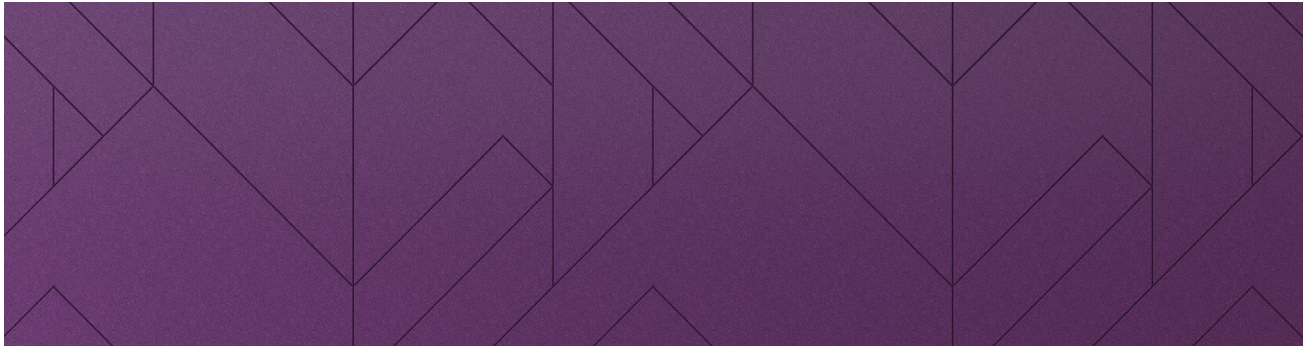
732.12.18.000.00

TECHNICAL DATA SHEET



Maze

General Information




Data

Applicable article numbers


732.24.18.000.00

732.12.18.000.00

Total Dimensions³

| | | | |
|--------|---------------------|--------------------|--|
| | 24mm / 12 mm | 0.9" / 0.5" |  Custom solutions available |
| Height | 2400mm / 2800mm | 95" / 110" | |
| Weight | 1800mm / 1200mm | 71" / 47" | |

Material

| | | |
|---------------|---|---|
| Wall Covering | 100% PET (60% post-consumer) in 32 colors |  Extended document available |
| Glue | Spray Glue | |

Weight¹

| | | |
|--------------|-----------------------|----------------|
| 24mm / 0.95" | 4 kg/m ² | 0.82 lbs/sq.ft |
| 12mm / 0.47" | 2.4 kg/m ² | 0.49 lbs/sq.ft |

Included

PET Panels



Spray glue



Installation
guide



Warranty
2 years²



1 - all weights are nominal

2 - Impact Acoustic warranty terms apply

3 - all dimensions are nominal

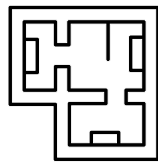


Maze

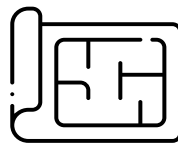
Specification Guide

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

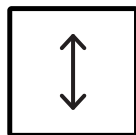


Plans



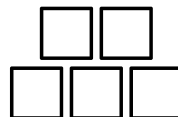
Other Considerations

2 Specify your Wall Covering:

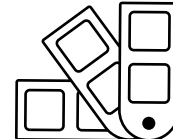


Material thickness

page 4-5



Quantity



Color

page 6

3 Article numbers:

| 732 | Material Thickness ³ | 18 | Colour | 00 |
|-----|---------------------------------|----|--------------------------------|----|
| 732 | 24mm | 18 | Choose colour as shown on p. 6 | 00 |
| | 12mm | | | |

Example: 732.24.18.662.00

Wall Covering - Maze, 2400 x 1800 x 24mm, 662 - Poster Red incl. spray glue



Maze

Geometry Information

Applicable articles numbers

732.24.18.000.00

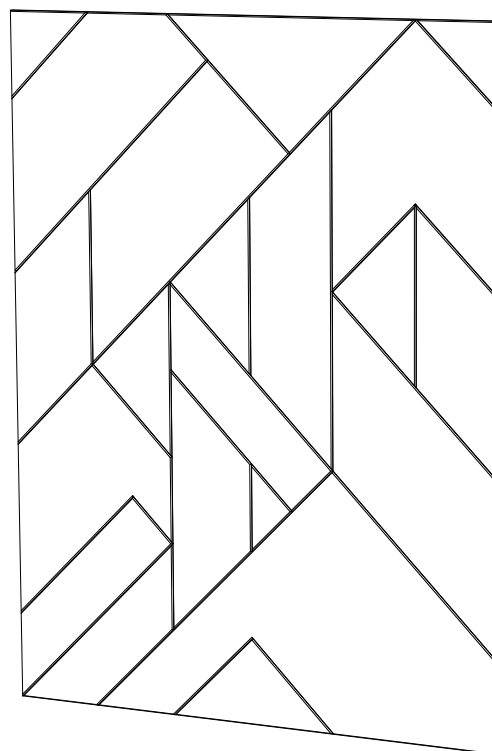
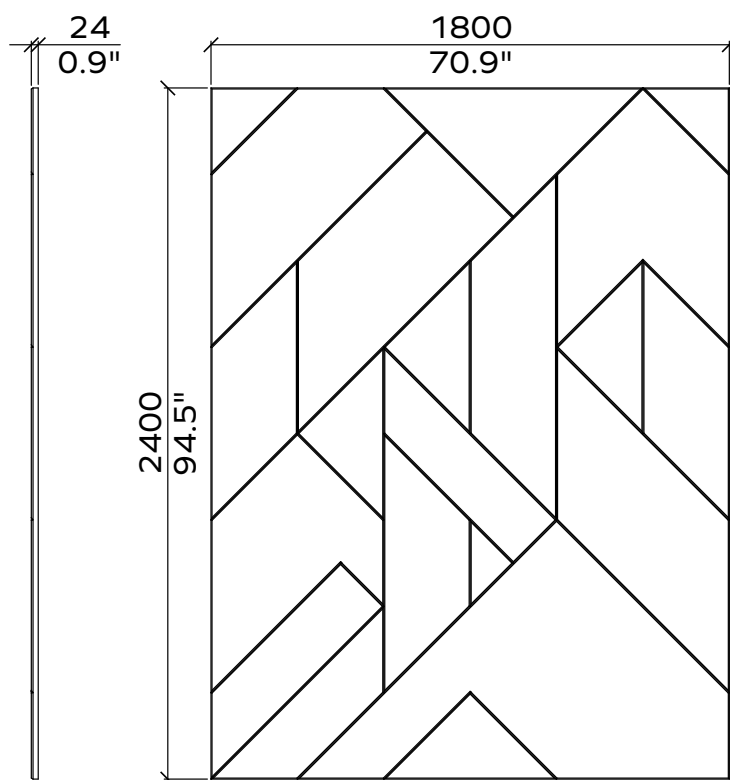
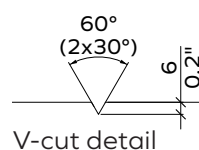
Scope of delivery

For each item you will receive a set of 1x PET panels (in the dimensions below), 1x spray adhesive can per set.

Applicable articles numbers

These panels are mounted with a contact spray adhesive. Instructions are available online.

Maze 24mm



all dimensions are nominal

Maze

Geometry Information

Applicable articles numbers

732.12.18.000.00

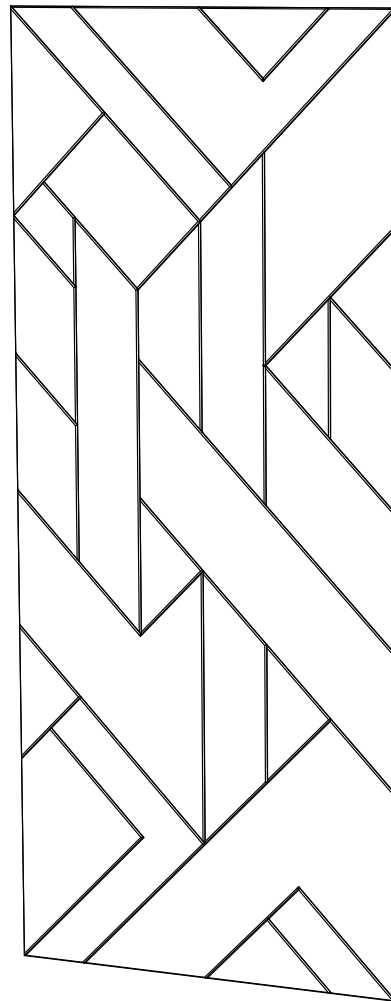
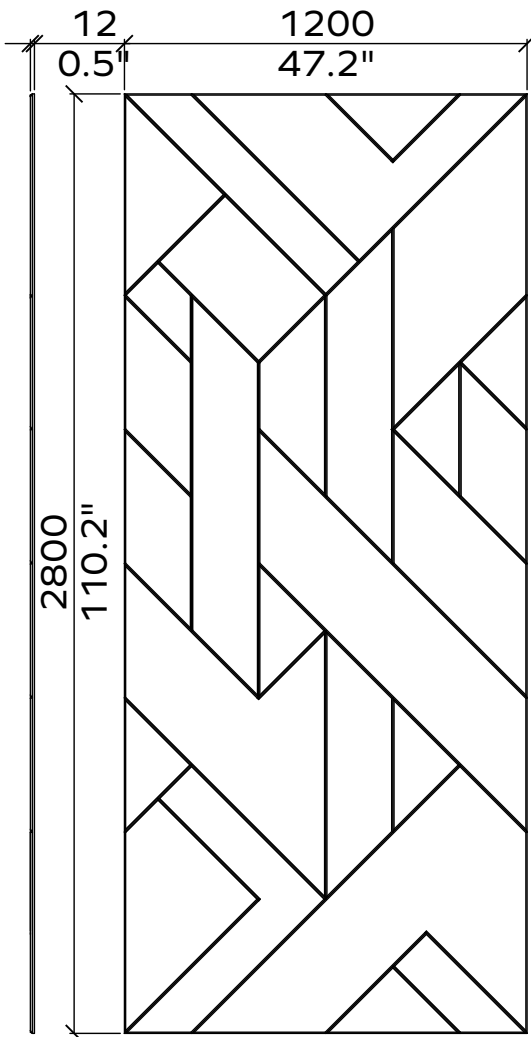
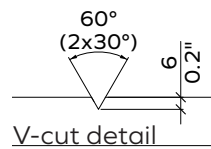
Scope of delivery

For each item you will receive a set of 1x PET panels (in the dimensions below), 1x spray adhesive can per set.

Applicable articles numbers

These panels are mounted with a contact spray adhesive. Instructions are available online.

Maze 12mm



















all dimensions are nominal

ARCHISONIC®









Colors

 Material brochure available

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

| | | | | | | | | |
|-------------------|---|---|---|---|--|---|---|---|
| |  |  |  |  |  |  |  |  |
| Name | Nordic Pine | Grove | Moss | Spearmint | Ice Blue | Succulent | Deep Sea | Marine Blue |
| Color Code | 311 | 317 | 439 | 706 | 304 | 712 | 918 | 864 |
| NCS Code | S 5030-G10Y | S 7020-G30Y | S 2040-G40Y | S 1010-B90G | S 0510-B | S 3020-B30G | S 5020-R90B | S 4050-R70B |

| | | | | | | | | |
|-------------------|---|---|---|---|--|---|---|---|
| |  |  |  |  |  |  |  |  |
| Name | Linen | Shell Pink | Jute | Warm Stone | Terracotta | Soft Coral | Honeycomb | Sunshine |
| Color Code | 107 | 102 | 920 | 105 | 239 | 516 | 139 | 846 |
| NCS Code | S 1505-Y30R | S 0510-R30B | S 3010-Y30R | S 3010-Y50R | S 4040-Y70R | S 2020-Y90R | S 2050-Y20R | S 1040-Y10R |

| | | | | | | | | |
|-------------------|---|---|---|---|--|---|---|---|
| |  |  |  |  |  |  |  |  |
| Name | Garnet | Hot Pink | Poster Red | Electric Orange | Winter Sky | Pacific Ocean | Midnight | Grape |
| Color Code | 724 | 140 | 662 | 464 | 311 | 311 | 810 | 540 |
| NCS Code | S 5040-R10B | S 2060-R20B | S 1080-R | S 0580-Y70R | S 5030-G10Y | S 5030-G10Y | S 7020-R70B | S 5040-R40B |

These NCS codes are the closest visual match available and may not be exact to blended fibres.

ARCHISONIC®

Colors

Experience our ARCHISONIC® Felt material with a stunning selection of 32 colors across 8 distinct families, thoughtfully curated by *Colour Hive* in London. Effortlessly combine colors harmoniously to suit your preferences. Discover more in our Materials brochure and order your free sample box today.

Color fastness

Class 6

ISO 105-B02:A1

Order a free sample box





ARCHISONIC®

Material Specification

| | | |
|------------------------------|---|--|
| Product Name | Archisonic® Felt | |
| Content | 100% PET (60% certified post-consumer content) | |
| Thickness¹ | 12mm (0.47") | 24mm (0.94") |
| Max. Size | 1200x2800mm (47"x110") | 1800x2400mm (70"x94") |
| Acoustic² | ASTM: NRC=0.6 ISO: αw=0.65 | ASTM: NRC=0.9 ISO: αw=0.95 |
| Density¹ | 2400 g/m ² (0.49 lbs/ sqft) | 4000 g/m ² (0.82 lbs/sqft) |
| Color Fastness | Class 6 ISO 105-B02:A1 | |
| Color | 32 colors (see Archisonic® Felt Color 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 time³ | 21 days | |
| Fire Rating | DIN EN 13501-1: B-s1, d0 | ASTM E84 Class A |
| VOC Emission | A+ 28 Days French Regulation | ASTM E84 Pass |
| Certifications | Declare label, Cradle to Cradle, UL Environmental Product Declaration, Member of US Green Building Council, Ecobau 1st Priority, Climmate-KIC, VOC emissions in LEED EQ credit (low-emitting products), Bream, 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



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



Declare.





Maze

Acoustic Performance

ISO Standards

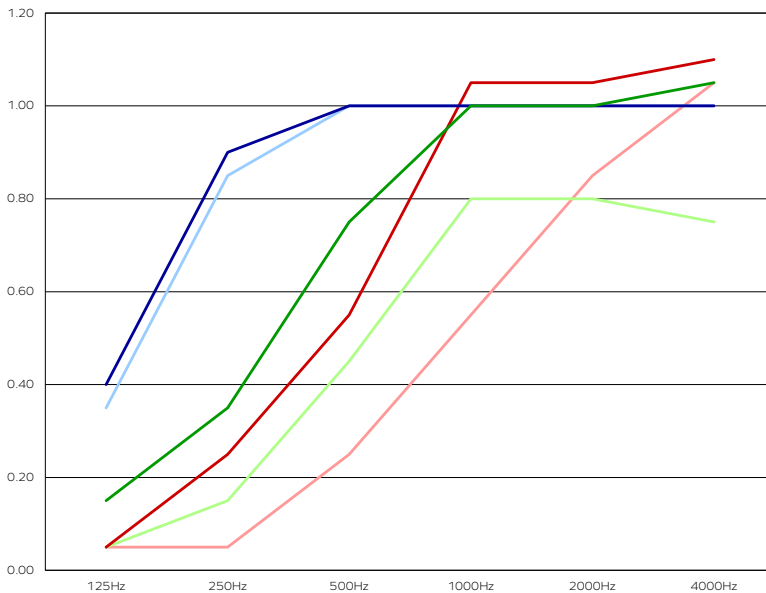
| | |
|----------------|---|
| ISO 354:2003 | Acoustics — Measurement of sound absorption in a reverberation room |
| ISO 11654:1997 | Acoustics — Sound absorbers for use in buildings — Rating of sound absorption |
| ISO 20189:2018 | Acoustics — Screens, furniture and single objects intended for interior use — Rating of sound absorption and sound reduction of elements based on laboratory measurements |

Equivalent ASTM Standards

| | |
|--------------|--|
| 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 ISO

| Frequency (Hz) | | 125 | 250 | 500 | 1000 | 2000 | 4000 | α_w |
|-----------------------------------|----------------|------|------|------|------|------|------|------------|
| Archisonic 12mm (no air gap) | m ² | 0.05 | 0.05 | 0.25 | 0.55 | 0.85 | 1.05 | 0.30 (MH) |
| Archisonic 12mm (50mm air gap) | m ² | 0.05 | 0.15 | 0.45 | 0.80 | 0.80 | 0.75 | 0.50 |
| Archisonic 12mm (50mm insulation) | m ² | 0.35 | 0.85 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |
| Archisonic 24mm (no air gap) | m ² | 0.05 | 0.25 | 0.55 | 1.05 | 1.05 | 1.10 | 0.55 (MH) |
| Archisonic 24mm (50mm air gap) | m ² | 0.15 | 0.35 | 0.75 | 1.00 | 1.00 | 1.05 | 0.65 (MH) |
| Archisonic 24mm (50mm insulation) | m ² | 0.40 | 0.90 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 |



“It’s all about mass, depth and density when considering wall panels, the more surface you cover the more you can absorb. It’s not recommended to hang a wall panel on your colleague and turn him into a walking billboard as he won’t absorb your sense of humour.”

– Daniel Verlooven,
Global Acoustic Ambassador

- **Wallcovering 12mm** (no air gap)
- **Wallcovering 24mm** (no air gap)
- **Wallcovering 12mm** (50mm cavity)
- **Wallcovering 24mm** (50mm cavity)
- **Wallcovering 12mm** (50mm insulation)
- **Wallcovering 24mm** (50mm insulation)

The graph represents the sound absorption coefficients (α_s) in the third octave band center frequencies. Measurement used Pink Noise as excitation signal in a reverberant room.

Acoustic Test Results ASTM NRC

| | |
|-----------------------------------|------|
| Archisonic 12mm (no air gap) | 0.45 |
| Archisonic 12mm (50mm air gap) | 0.55 |
| Archisonic 12mm (50mm insulation) | 0.95 |
| Archisonic 24mm (no air gap) | 0.70 |
| Archisonic 24mm (50mm air gap) | 0.80 |
| Archisonic 24mm (50mm insulation) | 1.00 |



Wall Covering

Reference Projects

