# Maze

## Geometry Information

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

## Maze 24mm

**Applicable articles numbers**

732.24.18.000.00 and .01

**Scope of delivery**

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

**Applicable articles numbers**

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

## Maze 12mm

**Applicable articles numbers**

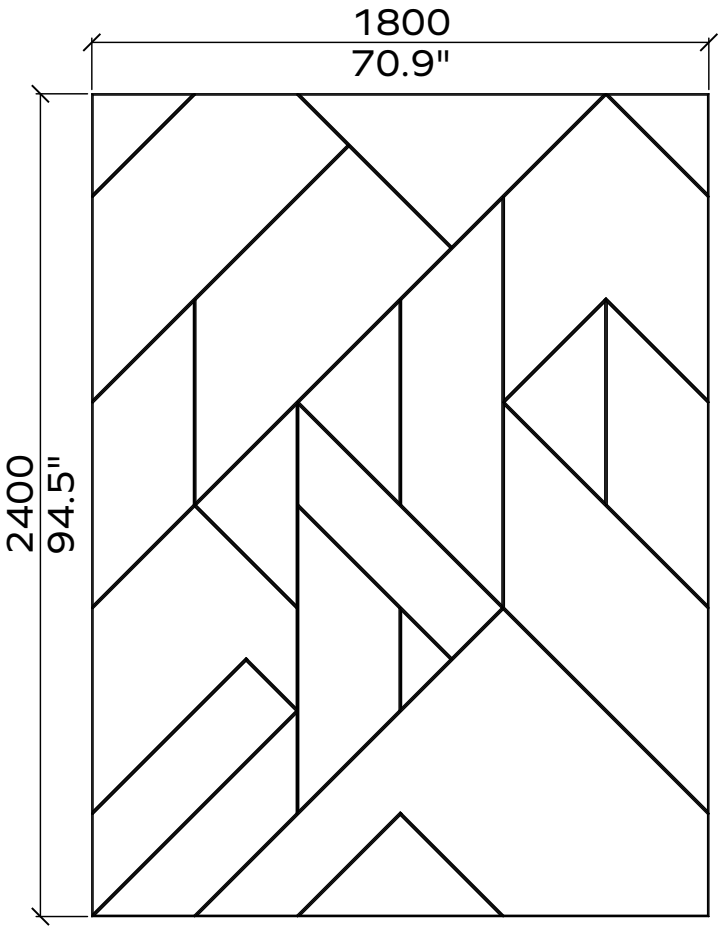
732.12.18.000.00 and .01

**Scope of delivery**

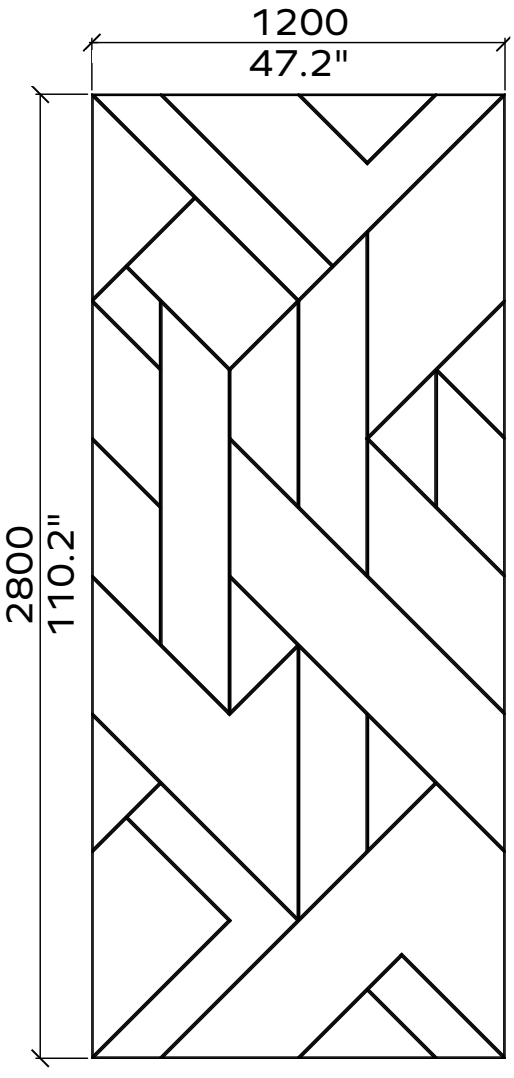
For each 12mm item you will receive a set of 1x PET panels (in the dimensions below)

**Applicable articles numbers**

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




1x




1x

All dimensions are nominal

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

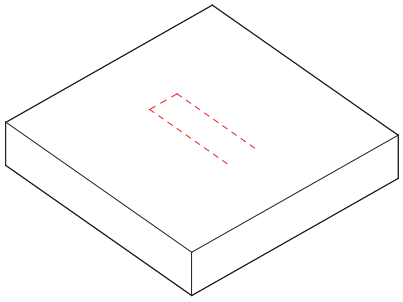
# Wall Panels

Installation methodes overview

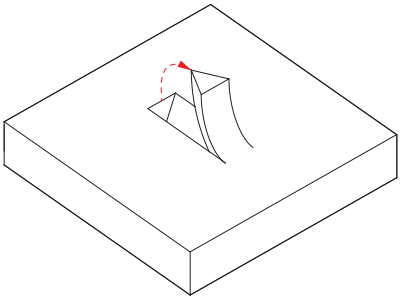
## Undercover Mount (standard) *Patent Pending*[1]

All our Wall Covering products come with pre-cut **Undercover** attachment points. Those points are distributed along the edge (10-15mm offset) and in the middle 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.**

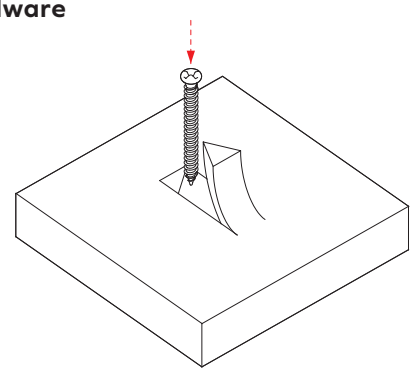
**1** **Locate the Undercover cuts on the panel**



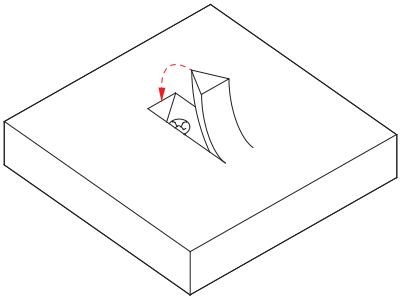
**2** **Pull out the edge**



**3** **Install hardware**



**4** **Close**



For full installation manual check our **product page.**

## Alternative methods

Please note, that selected hardware for alternative installation methods is not included in a default delivery scope and needs to be accounted for separately.

1 – Patent Pending No.102024000009088

# **ARCHI**SONIC®
# Colours

HABITAT MATTER
habitatmatter.com
samples@habitatmatter.com

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **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 | S2502-Y | S 0502-Y |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Name** | Linen | Dune | Jute | Fallow | Warm Stone | Truffle | 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 | 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 | Winter Sky | Deep Sea | Nocturne | True Navy | Ice Blue | Pacific Ocean | Lagoon |
| **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 | S8005-B | S 0510-B | S 3040-B | S 7020-B30G |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Name** | Succulent | Spearmint | Seafoam | Nordic Pine | Moss | Grove | Pistachio | 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 | **S4005-Y** | S6010-G90Y |

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

**ARCHI**SONIC®

## 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 harmoniously to 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



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

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

| | | |
|---|---|---|
| **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) |
| **Color Fastness** | **Class 6** ISO 105-B02:A1 | |
| **Color** | **36 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. | |
| **Production Lead time**[3] | 21 days | |
| **Fire Rating** | DIN EN 13501-1: **B-s1, d0** | ASTM E84 **Class A** |
| **VOC Emission** | 28 Days French Regulation **A+** ASTM E84 **Pass**<br>Breeam® (International, UK, NL, SE, NOR) **Examplary**<br>CDPH (CDPH/EHLB/Standard Method V1.2) **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), 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

# Wall Panels
## Acoustic Performance

HABITAT MATTER
habitatmatter.com
spec@habitatmatter.com

University of Stuttgart
Germany

### Testing Standards

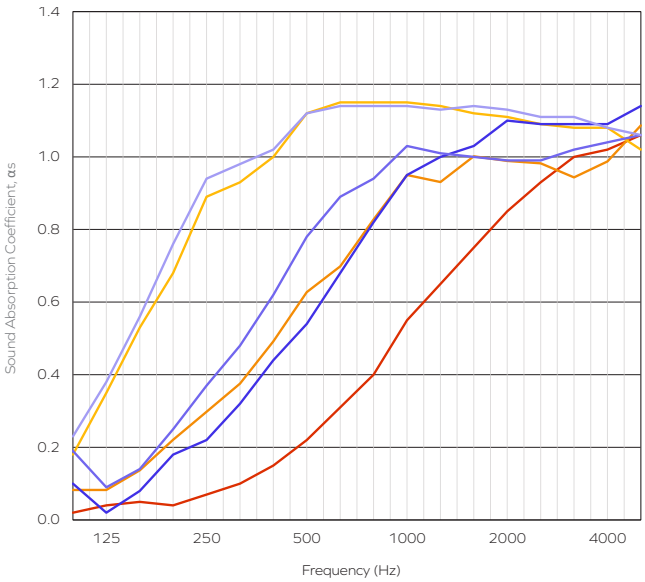
| | |
|---|---|
| ISO 354:2003 | Acoustics — Measurement of sound absorption in a reverberation room |
| ISO 11654:1997 | Acoustics — Sound absorbers for use in buildings — Rating of sound absorption |
| ISO 20189:2018 | Acoustics — Screens, furniture and single objects intended for interior use — Rating 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 gap) | 0.3 (MH) | 0.42 | 0.45 |
| Archisonic 12mm (50mm air gap) | 0.4 (MH) | 0.50 | 0.65 |
| Archisonic 12mm (50mm insulation) | 1.00 | 1.00 | 0.95 |
| Archisonic 24mm (no air gap) | 0.55 (MH) | 0.70 | 0.70 |
| Archisonic 24mm (50mm air gap) | 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 gap) | $\alpha_p$ | 0.05 | 0.05 | 0.25 | 0.55 | 0.85 | 1.00 |
| Archisonic 12mm (50mm air gap) | $\alpha_p$ | 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 gap) | $\alpha_p$ | 0.05 | 0.25 | 0.55 | 0.90 | 1.00 | 1.00 |
| Archisonic 24mm (50mm air gap) | $\alpha_p$ | 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 gap)
- Archisonic 12mm (50mm air gap)
- Archisonic 12mm (50mm insulation)
- Archisonic 24mm (no air gap)
- Archisonic 24mm (50mm air gap)
- 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.