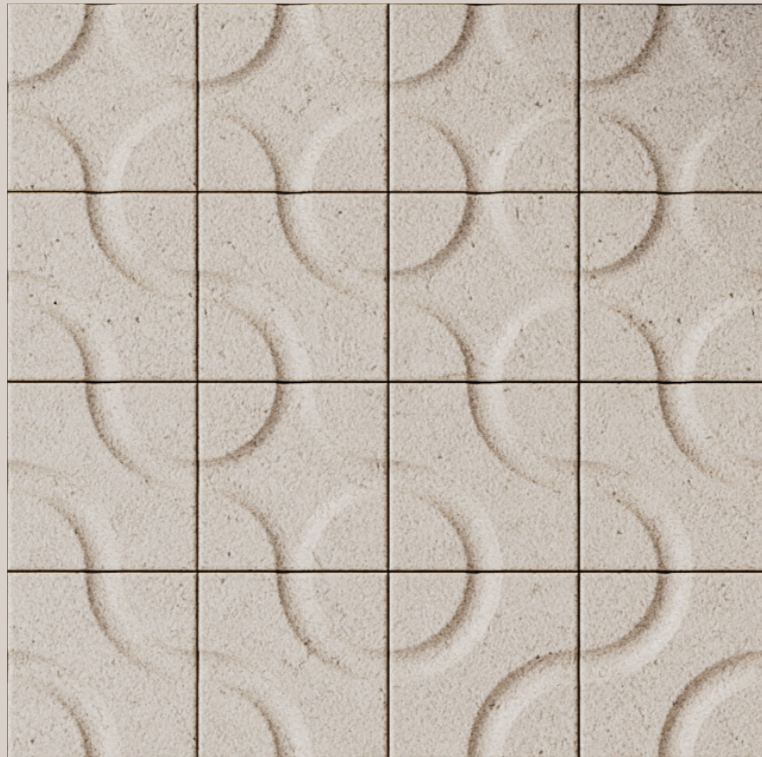


**IMPACT ACOUSTIC®**



**ARCHISONIC® Natura<sup>1</sup>**  
**Truchet**

938.30.24.000.00  
938.31.24.000.00  
938.32.24.000.00  
938.33.24.000.00  
938.34.24.000.00  
938.35.24.000.00

TECHNICAL DATA SHEET

# ARCHISONIC® Natura Truchet

## General Information



### Data

#### Applicable Article numbers

|        |                  |        |                  |
|--------|------------------|--------|------------------|
| TYPE A | 938.30.24.000.00 | TYPE D | 938.33.24.000.00 |
| TYPE B | 938.31.24.000.00 | TYPE E | 938.34.24.000.00 |
| TYPE C | 938.32.24.000.00 | TYPE F | 938.35.24.000.00 |

#### Dimensions<sup>1</sup>

|           |              |               |
|-----------|--------------|---------------|
| Length    | 200mm (±10%) | 7 7/8" (±10%) |
| Height    | 200mm (±10%) | 7 7/8" (±10%) |
| Thickness | 24mm (±10%)  | 0.9" (±10%)   |

#### Material

Tile Exclusively in **Jute** and **Coconut** ARCHISONIC® Natura Blends (100% circular)

This material should be handled with care in order to avoid the tiles being damaged or miscoloured.

#### Weight<sup>2</sup>

|              |                       |                          |
|--------------|-----------------------|--------------------------|
| 24mm / 0.95" | 6.0 kg/m <sup>2</sup> | 1.13 lbs/ft <sup>2</sup> |
|--------------|-----------------------|--------------------------|

### Included

ARCHISONIC® Natura  
Truchet (26 tiles)



Installation  
guide



Take back  
program



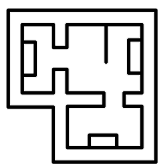
1 - all dimensions are nominal 2 - all weights are nominal

# ARCHISONIC® Natura Truchet

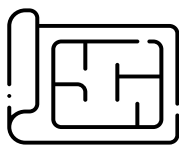
## Specification Guide

### 1 Prepare this information:

---



Project Area



Check Our Online  
Configurator

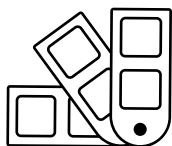
page 13



Other Considerations

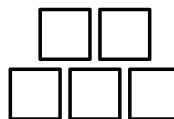
### 2 Specify your Cotton Tile:

---



Blends and Colours

page 14



Quantity

(box of 25 tiles)

### 3 Availability

---

This product is available in stock in ARCHISONIC® Natura **Jute Blend** finish. Other blends and colours are produced per order and require 8-12 weeks lead time<sup>3</sup>.

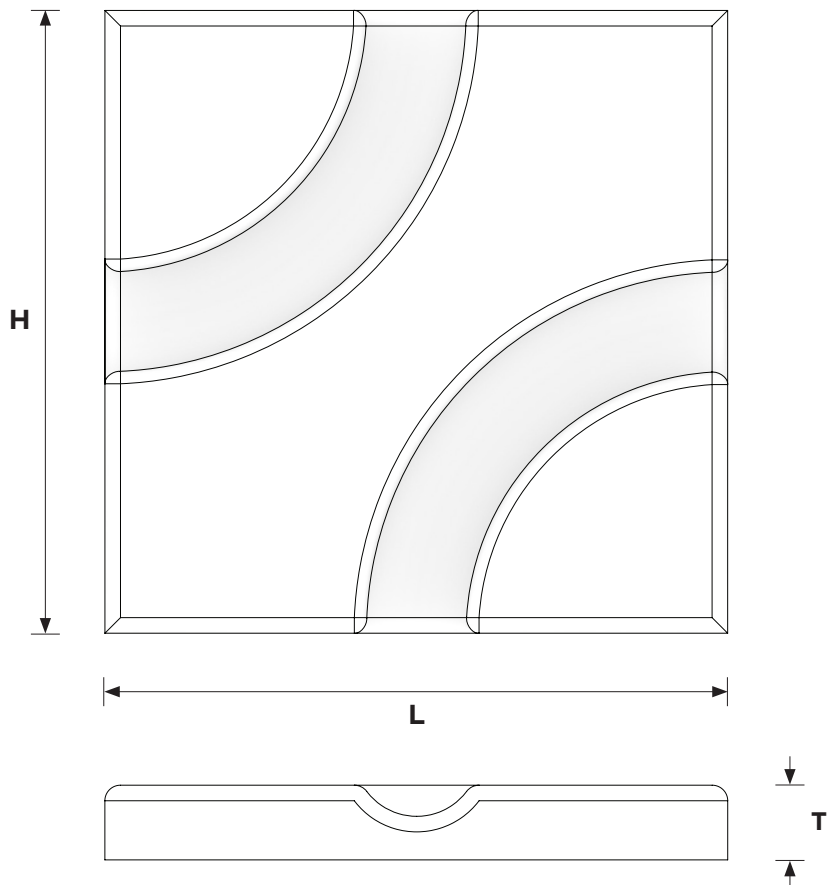
3 - lead time might vary depending on the blend and tile type

# ARCHISONIC® Natura Truchet

## Geometry Information

938.30.24.000.00 - ARCHISONIC® Natura **Truchet - Type A**

(Available in stock in Jute blend - Type A - 938.30.24.254.00)



**Dimensions table<sup>1</sup>**

|          |           |        |        |
|----------|-----------|--------|--------|
| <b>L</b> | Length    | 200 mm | 7 7/8" |
| <b>H</b> | Height    | 200 mm | 7 7/8" |
| <b>T</b> | Thickness | 24 mm  | 0.9"   |

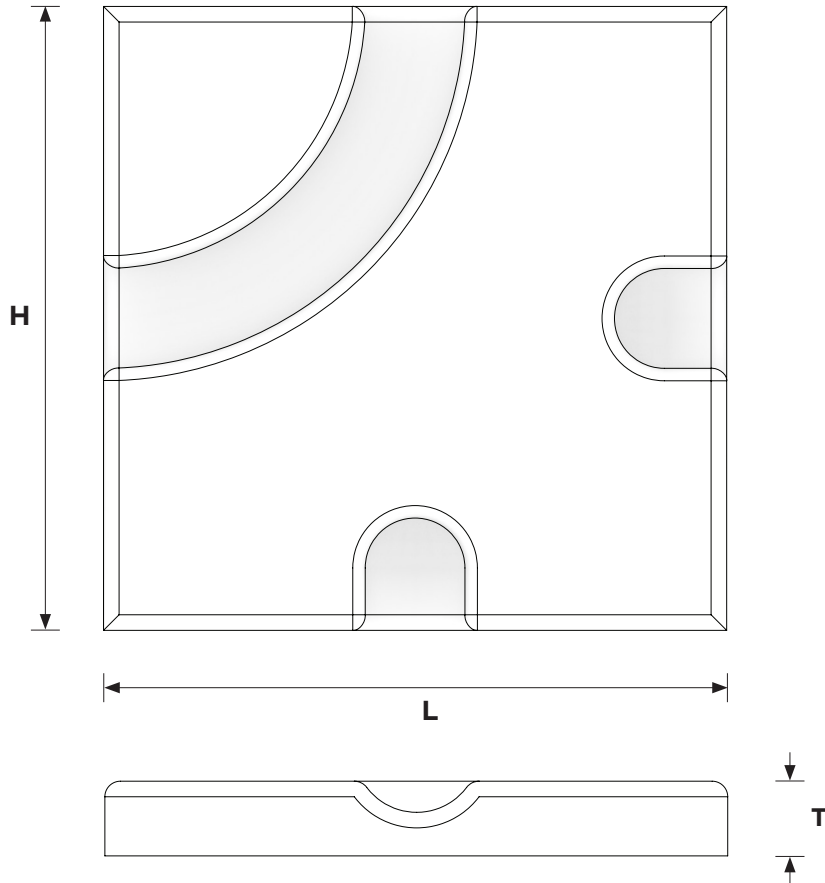
1 - all dimensions are nominal

# ARCHISONIC® Natura Truchet

## Geometry Information

938.31.24.000.00 - ARCHISONIC® Natura **Truchet - Type B**

(Production order item - Lead time 8-12 weeks)



**Dimensions table<sup>1</sup>**

|          |           |        |        |
|----------|-----------|--------|--------|
| <b>L</b> | Length    | 200 mm | 7 7/8" |
| <b>H</b> | Height    | 200 mm | 7 7/8" |
| <b>T</b> | Thickness | 24 mm  | 0.9"   |

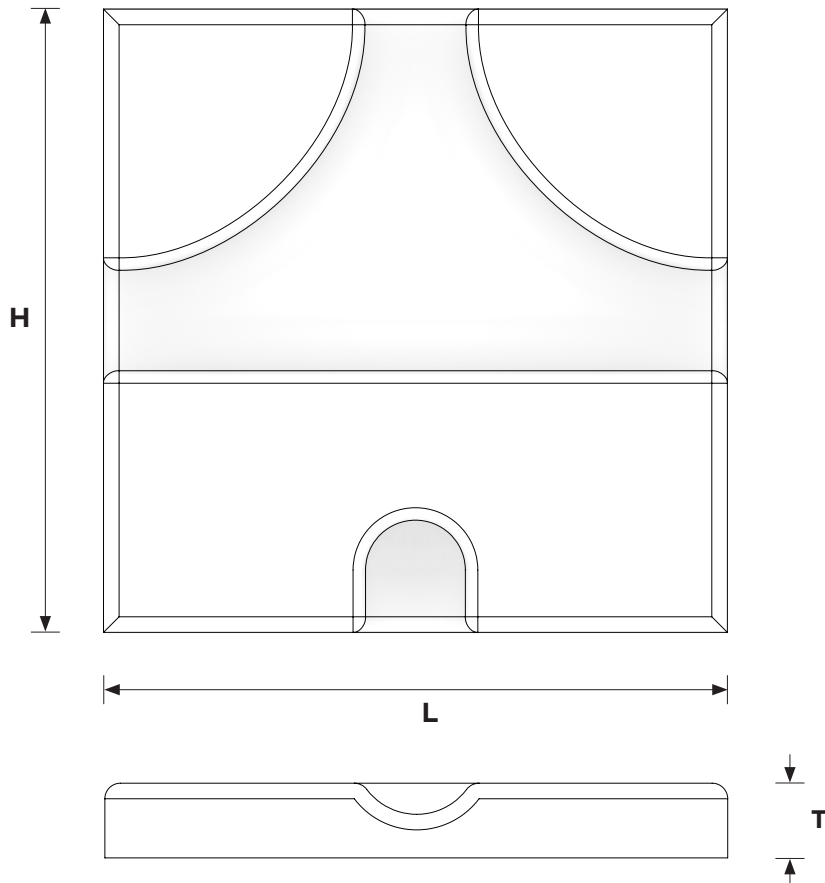
1 - all dimensions are nominal

# ARCHISONIC® Natura Truchet

## Geometry Information

938.32.24.000.00 - ARCHISONIC® Natura **Truchet - Type C**

(Production order item - Lead time 8-12 weeks)



**Dimensions table<sup>1</sup>**

|          |           |        |        |
|----------|-----------|--------|--------|
| <b>L</b> | Length    | 200 mm | 7 7/8" |
| <b>H</b> | Height    | 200 mm | 7 7/8" |
| <b>T</b> | Thickness | 24 mm  | 0.9"   |

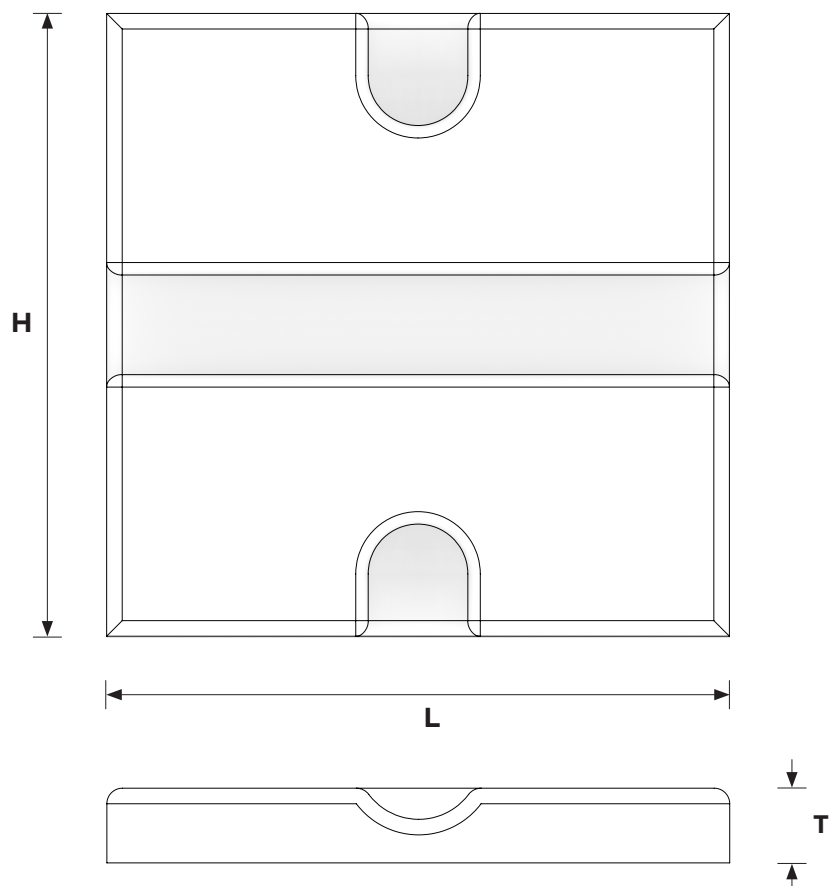
1 - all dimensions are nominal

# ARCHISONIC® Natura Truchet

## Geometry Information

938.33.24.000.00 - ARCHISONIC® Natura **Truchet - Type D**

(Production order item - Lead time 8-12 weeks)



**Dimensions table<sup>1</sup>**

|          |           |        |        |
|----------|-----------|--------|--------|
| <b>L</b> | Length    | 200 mm | 7 7/8" |
| <b>H</b> | Height    | 200 mm | 7 7/8" |
| <b>T</b> | Thickness | 24 mm  | 0.9"   |

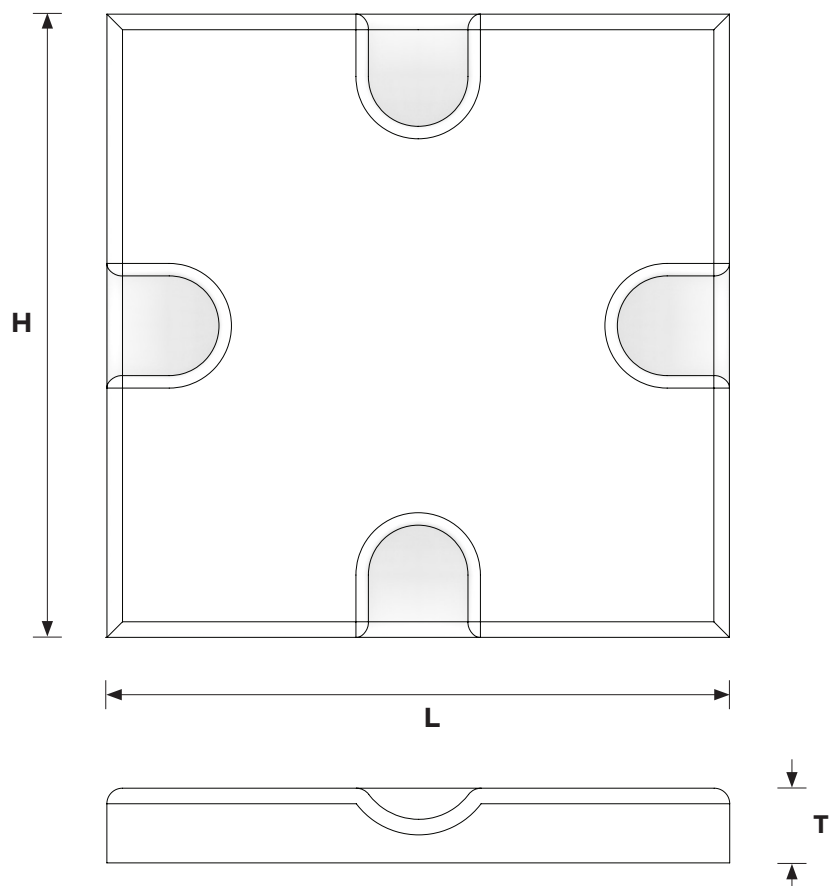
1 - all dimensions are nominal

# ARCHISONIC® Natura Truchet

## Geometry Information

938.34.24.000.00 - ARCHISONIC® Natura **Truchet - Type E**

(Production order item - Lead time 8-12 weeks)



**Dimensions table<sup>1</sup>**

|          |           |        |        |
|----------|-----------|--------|--------|
| <b>L</b> | Length    | 200 mm | 7 7/8" |
| <b>H</b> | Height    | 200 mm | 7 7/8" |
| <b>T</b> | Thickness | 24 mm  | 0.9"   |

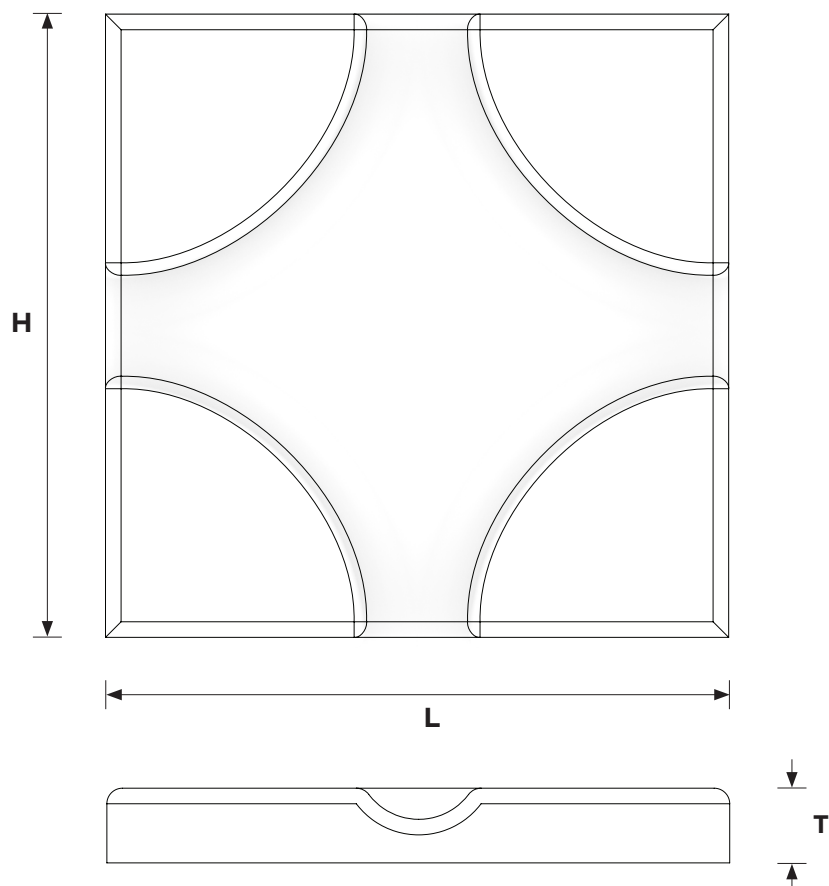
1 - all dimensions are nominal

# ARCHISONIC® Natura Truchet

## Geometry Information

938.35.24.000.00 - ARCHISONIC® Natura **Truchet - Type F**

(Production order item - Lead time 8-12 weeks)



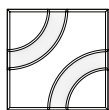
**Dimensions table<sup>1</sup>**

|          |           |        |        |
|----------|-----------|--------|--------|
| <b>L</b> | Length    | 200 mm | 7 7/8" |
| <b>H</b> | Height    | 200 mm | 7 7/8" |
| <b>T</b> | Thickness | 24 mm  | 0.9"   |

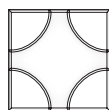
1 - all dimensions are nominal

# ARCHISONIC® Natura Truchet

## Suggested Tile Combinations



Type A

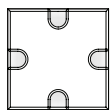


Type F

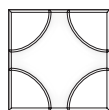


# ARCHISONIC® Natura Truchet

## Suggested Tile Combinations



Type E

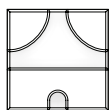


Type F



# ARCHISONIC® Natura Truchet

## Suggested Tile Combinations



Type C



# ARCHISONIC® Natura Truchet

## Online Configurator

Unleash your creativity and explore our Online Configurator for ARCHISONIC® Natura Product. Choose implementation size, colors and combine multiple tile types to create your own arrangement.

For more information, please [contact](#) our consultants.



**General Parameters**

- Input/Display Units:** Metric System
- Archisonic Cotton Tile Product (Metric):** Truchet (200mmx200mm)
- Wall Size:**
  - Wall Length (mm):** 2000
  - Wall Height (mm):** 1500
- Tile Gaps:**
  - Tile Gaps:**
  - Tile Gap Distance (mm):** 2
- Colors:** Two Colors
- Color Selection:**
  - Color 1 Selection:** 30 Sage
  - Color 2 Selection:** 30 Sage

**3D Visualization:** A 3D rendering of a wall section with a grid of green tiles. Dimensions of 2000 mm (width) and 1500 mm (height) are indicated. The tiles feature a circular pattern.

**Tile Parameters**

Archisonic Cotton Tile Truchet - Tile Type

- Truchet Tile A X
- Truchet Tile D X
- Truchet Tile F X

**Tile Quantities | Truchet Tile A**

30 SAGE 30 SAGE 30 SAGE

**Tile Quantities | Truchet Tile D**

30 SAGE 30 SAGE 30 SAGE

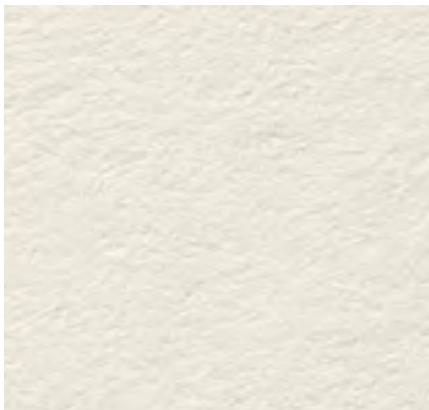
**Tile Quantities | Truchet Tile F**

30 SAGE 30 SAGE 30 SAGE

# ARCHISONIC® Natura

## Organic Blends Collection

Organic Blends Collection expands of our bestselling Cotton blend, adding 2 new natura and 100% circular material compositions to our collection. Choose between Cotton blend for refine and pure character, Jute for visible fibers articulation or Coconut for intense natural aesthetics.



### COTTON Blend

Produced with Cotton Linters. (75% cotton linters, 25% Mineral components including White clay, earth pigments, fire retardant salts)



### JUTE Blend

Produced with Jute Fibres. (75% fibres and 25% mineral components including eggshell calcium carbonate and fire retardant salts)



### COCONUT Blend

Produced with Coconut Waste Fibres. (75% fibres and 25% mineral components including eggshell calcium carbonate and fire retardant salts)

## Reinforced by nature

Our Organic Blends - Jute and Coconut use calcium carbonate sourced exclusively from eggshells to maintain its structural performance. It acts as a functional mineral filler that enhances acoustic tuning, fire performance, dimensional stability, and material consistency in recycled cotton acoustic panels.



# ARCHISONIC® Natura Truchet

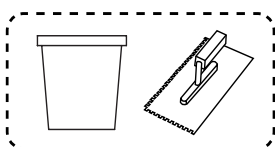
## Recommended Installation Method

For wall installation we recommend using mineral mortar with no or very low content of chemical additives like **Bioflex from Kerakoll**. It is important that mortar is thixotropic and exhibit low vertical slip properties and long open time, like **Bioflex from Kerakoll** (<https://products.kerakoll.com/en/p/bioflex>).

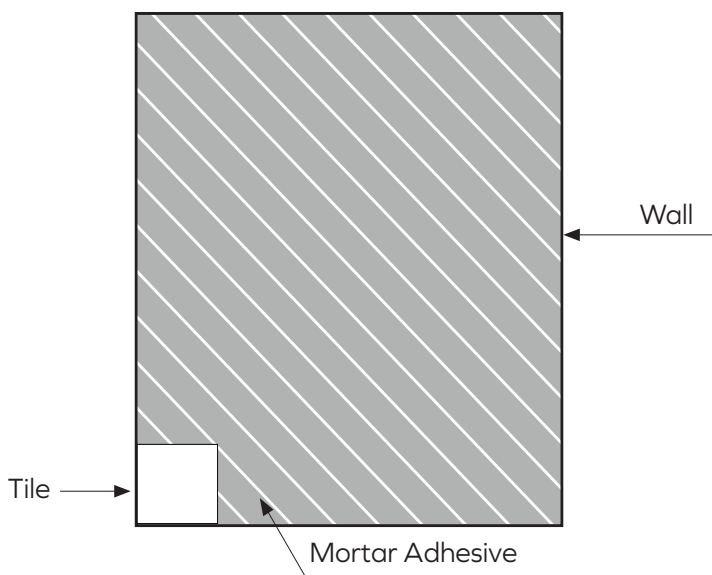
Familiarize yourself with the application instructions for the tile mortar and prepare it accordingly. A notched trowel with 6 x 6 x 6 mm teeth is recommended for working with the tiles (e.g. LUX Classic 6 x 6 mm trowel).

All substrates must be level, hardened and undamaged, resistant, dry and free from binding agents and rising damp. Cementitious substrates can be moistened before application or coated with primer.

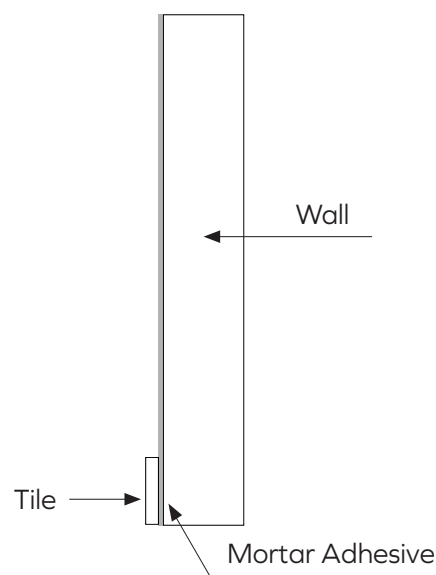
Please see full [Installation Guide](#) for more information.



Front



Side



# ARCHISONIC® Natura

## Jute Blend Specification

### Density

250kg/m<sup>3</sup>  
15.6lbs/ft<sup>3</sup> (+/-10%)



EN 15102: 2007 + A1: 2011  
0497

### Tile Thickness

24mm  
0.94" (±10%)

### Composition

75% cellulose incl. jute fibres; 25% mineral components including eggshell calcium carbonate and fire-retardant salts.

### Fire Rating

**B-s1, d0** **Class 1**  
EN ISO 13823:2010  
(tested with Pattex adhesive)

**Class A**  
ASTM E84

### VOC Emission

**A+**  
UNI EN ISO 16000-9: 2006 + ISO 16000-6: 2011

### Care Instructions

Gently clean with a vacuum cleaner or a dry cloth.  
Do not use water, soap or liquid detergents.

# ARCHISONIC® Natura

## Coconut Blend Specification

### Density

250kg/m<sup>3</sup>  
15.6lbs/ft<sup>3</sup> (+/-10%)



EN 15102: 2007 + A1: 2011  
0497

### Tile Thickness

24mm  
0.94" (±10%)

### Composition

75% cellulose including coconut Waste fibres; 25% mineral components including eggshell calcium carbonate and fire retardant salts.

### Fire Rating

**B-s1, d0** **Class 1**  
EN ISO 13823:2010  
(tested with Pattex adhesive)

**Class A**  
ASTM E84

### VOC Emission

**A+**  
UNI EN ISO 16000-9: 2006 + ISO 16000-6: 2011

### Care Instructions

Gently clean with a vacuum cleaner or a dry cloth.  
Do not use water, soap or liquid detergents.

# ARCHISONIC® Natura Truchet

## Acoustic Performance

### 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  |

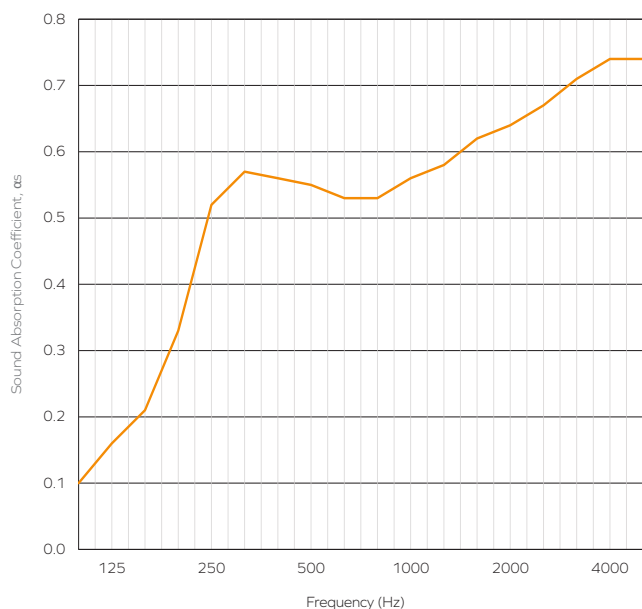
### Acoustic Test Result

|                            | $\alpha_w$ | SAA  | NRC  |
|----------------------------|------------|------|------|
| ARCHISONIC® Natura Truchet | 0.60 (H)   | 0.56 | 0.55 |

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)             | $\alpha_p$ | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|----------------------------|------------|------|------|------|------|------|------|
| ARCHISONIC® Natura Truchet | $\alpha_p$ | 0.15 | 0.45 | 0.55 | 0.55 | 0.65 | 0.75 |



● ARCHISONIC® Natura Truchet

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

# ARCHISONIC® Natura Truchet

## 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



Spec sheets and  
Installation Guide



Colour families



Instruction  
videos



Associated  
products specs

### Ordering Process

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



Contact our  
consultant

Quote<sup>1</sup>

48h



Order Confirmation

Production<sup>1</sup>

8-12 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 question.



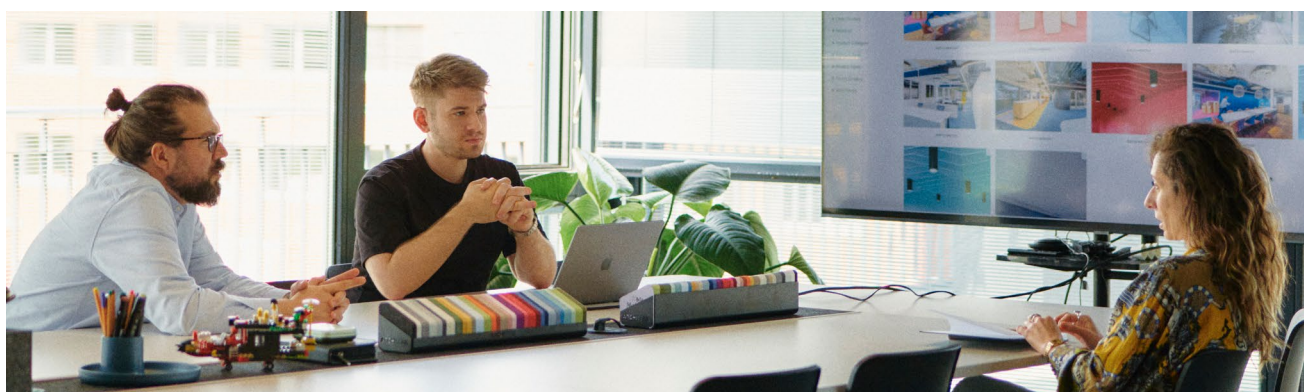
+41 41 244 14 00



connect@impactacoustic.com



Online form



<sup>1</sup> - Quote and Production times may vary.

**#We  
Make An  
Impact**

[connect@impactacoustic.com](mailto:connect@impactacoustic.com) | [www.impactacoustic.com](http://www.impactacoustic.com)