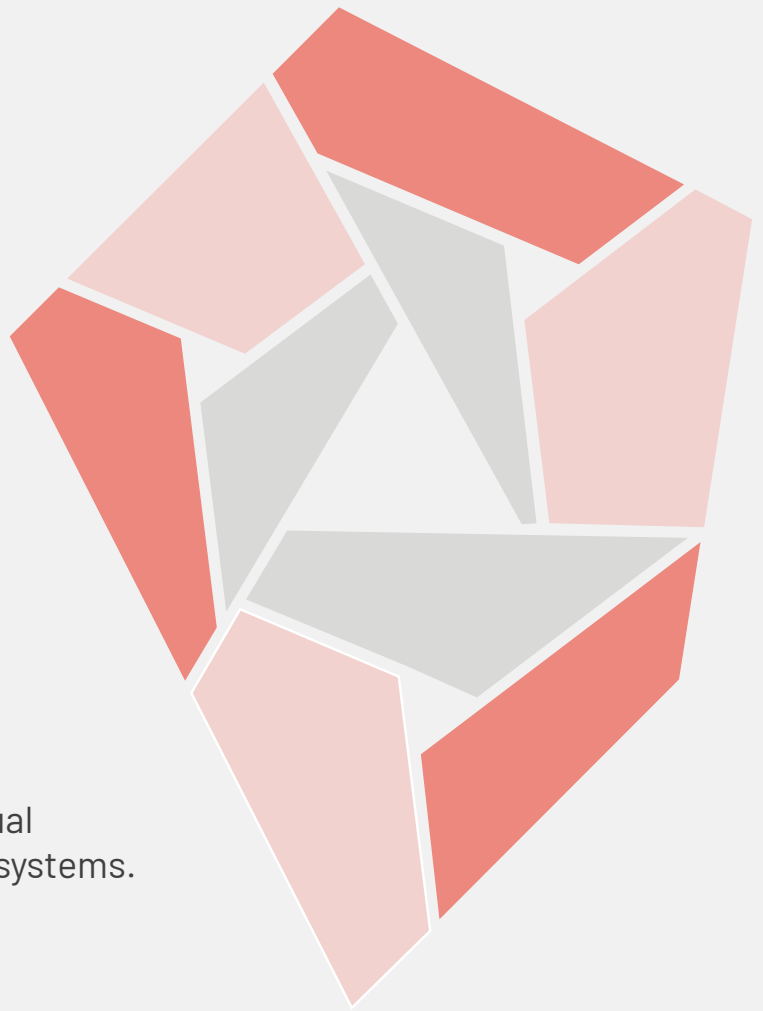


# GEN\_VMT Penray Collection

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# GEN\_VMT

## THE GENERATIVE COLLECTION

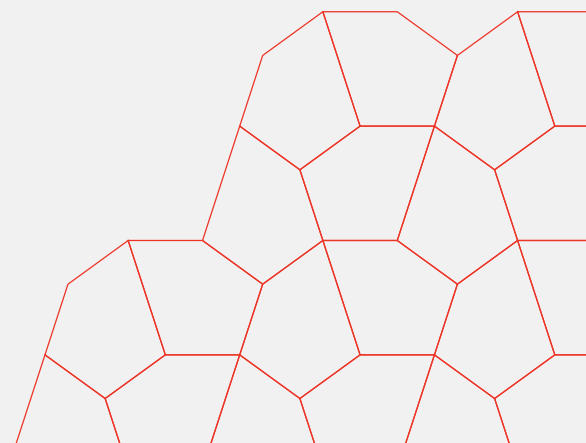
**Won the red*dot* Award 2020**  
for outstanding design quality

Sustainable acoustic panels with virtual  
material technology meet generative systems.



**red*dot* winner 2020**

Witness the emergence of an innovative range inspired by the depth of **mathematics, geometry, and biomimicry**, as we delve into the transformative domain of generative design.



## CONCEPT

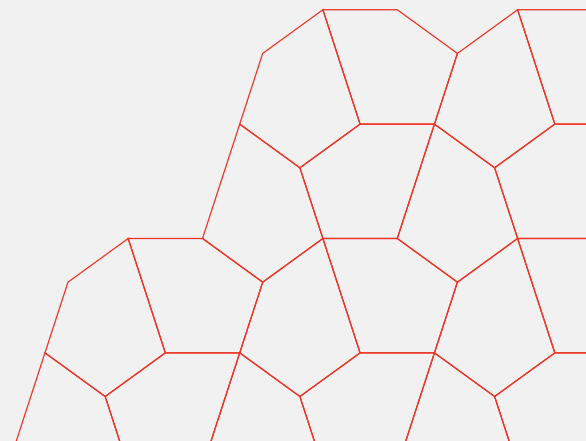
GEN\_VMT solutions, crafted from extensive geometric research in the field of pentagonal tiling. Each piece within this collection takes the unique form of a pentagon, setting the stage for endless creative possibilities.

Our exploratory journey led us to uncover a shape grammar that allows for the generation of countless combinations, whether as single modules or double main modules.

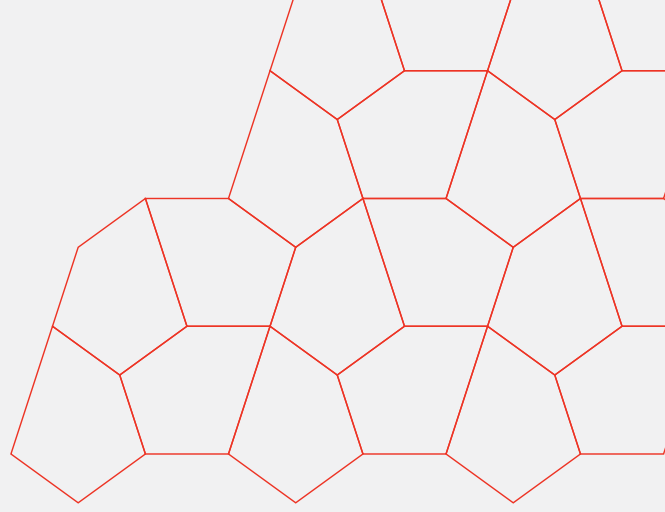
We introduce an additional layer of complexity through the ice-ray recursive pattern, adding depth and intrigue to the design process. The generation of ice-rays is elegantly simple yet remarkably impactful. By bisecting existing Polygonal shapes, we create a dynamic interplay of form and function.

## GEOMETRIC AESTHETICS, ACOUSTIC EXCELLENCE

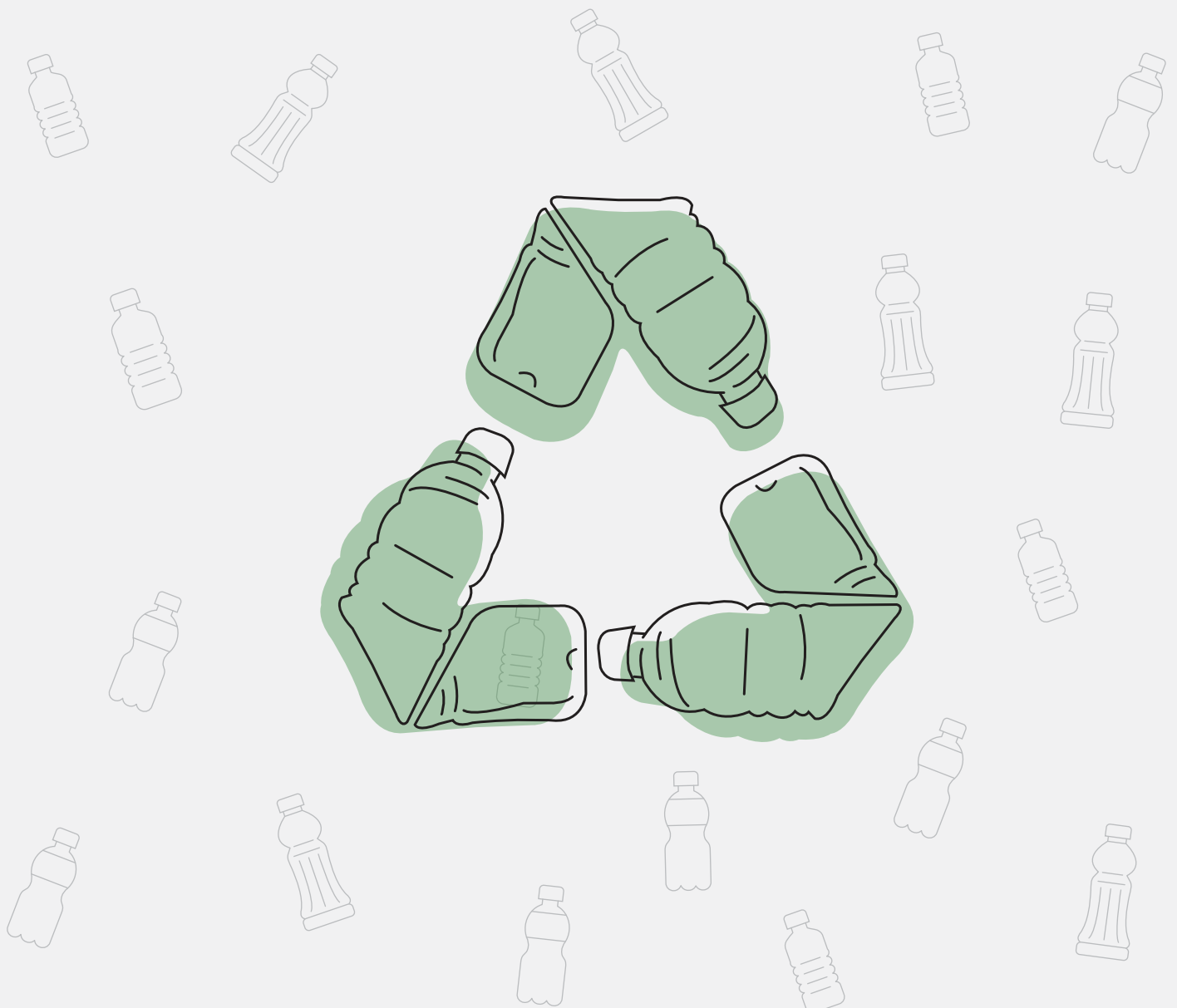
Our variations on this grammar offer a diverse array of profiles, each contributing to a triangular motif that converges towards the center. This creative approach marks a paradigm shift, rooted in generative and performative processes that push the boundaries of design.

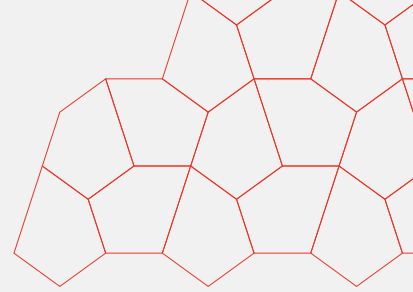


# GREEN DESIGN EXCELLENCE



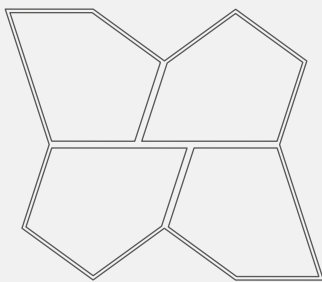
GEN\_VMT stands as a testament to sustainability and longevity, offering a seamless integration of functionality and visual appeal. Leveraging a modular approach, it allows for the creation of diverse interior design configurations. The strategic use of color and potential for 3D effects further enhance the versatility of this generative pattern.



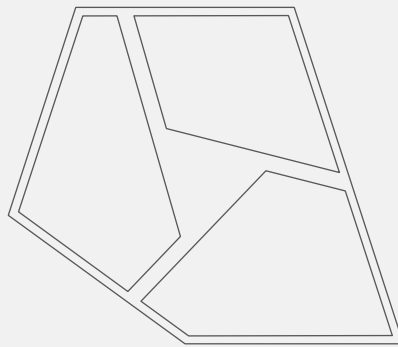


## GEN\_VMT PENRAY SERIES

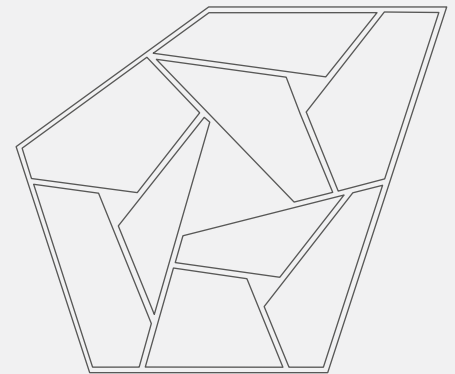
The GEN\_VMT Penray series is a Red Dot award-winning line of acoustic panels known for its stylish, generative design. These panels are sustainable and provide effective sound absorption at medium and high frequencies, while their modular, 3D-inspired pattern brings dynamic visual interest to walls and ceilings.



**PENRAY 01 TILE**



**PENRAY 01 PANEL**



**PENRAY 01 CLOUD**

### FEATURES:



Lightweight



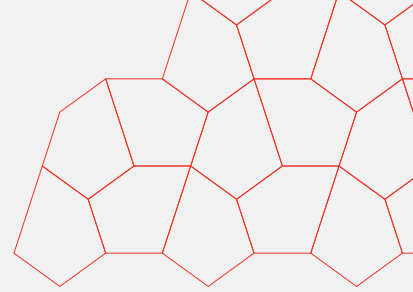
Easy to install



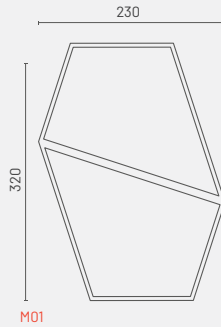
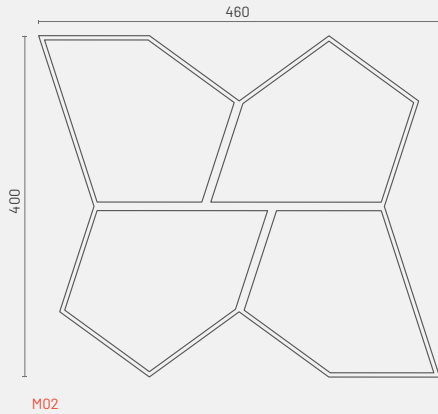
Easy to clean  
and maintain



High Performance in  
medium and high frequencies



# PENRAY 01 Tiles



## Single Set, Versatile Configurations

This collection features small tiles comprising two distinct modules, ingeniously designed to interlock and create both regular and irregular grids. Exploring a myriad of colors and combinations, these tiles offer an ideal solution for compact spaces.

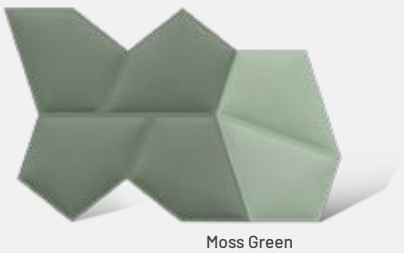
**Application:** Wall

## AVAILABLE FINISHES:

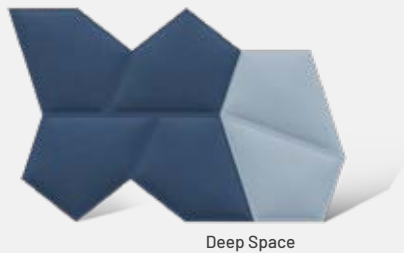
### Colors



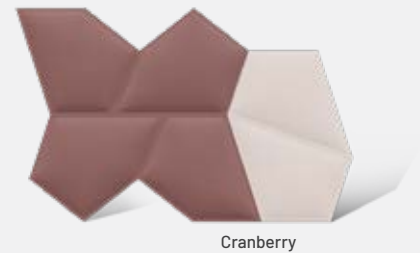
### Pattern



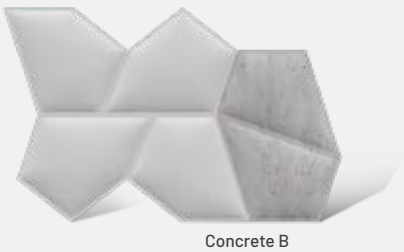
Moss Green



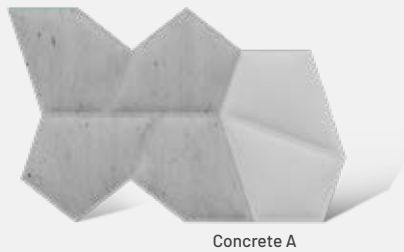
Deep Space



Cranberry



Concrete B



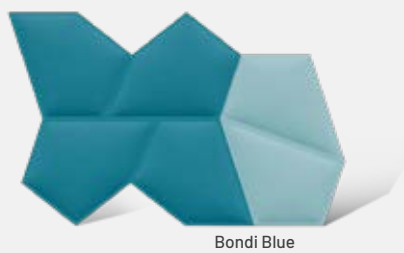
Concrete A



Cocoa



Coral



Bondi Blue

\*Color customization available on request subject to M00.



## TECHNICAL INFORMATION:

### Main Info

Dimensions (L x H x W)	<b>Tile 1:</b> 470 x 400 x 12 mm
	<b>Tile 2:</b> 230 x 320 x 20 mm

### Packaging Information

Units/Box	12
Box Gross Weight	1.8kg

### Installation

Fixation	Silicon Sealant
Place	Wall
Raw Material	Pet Wool

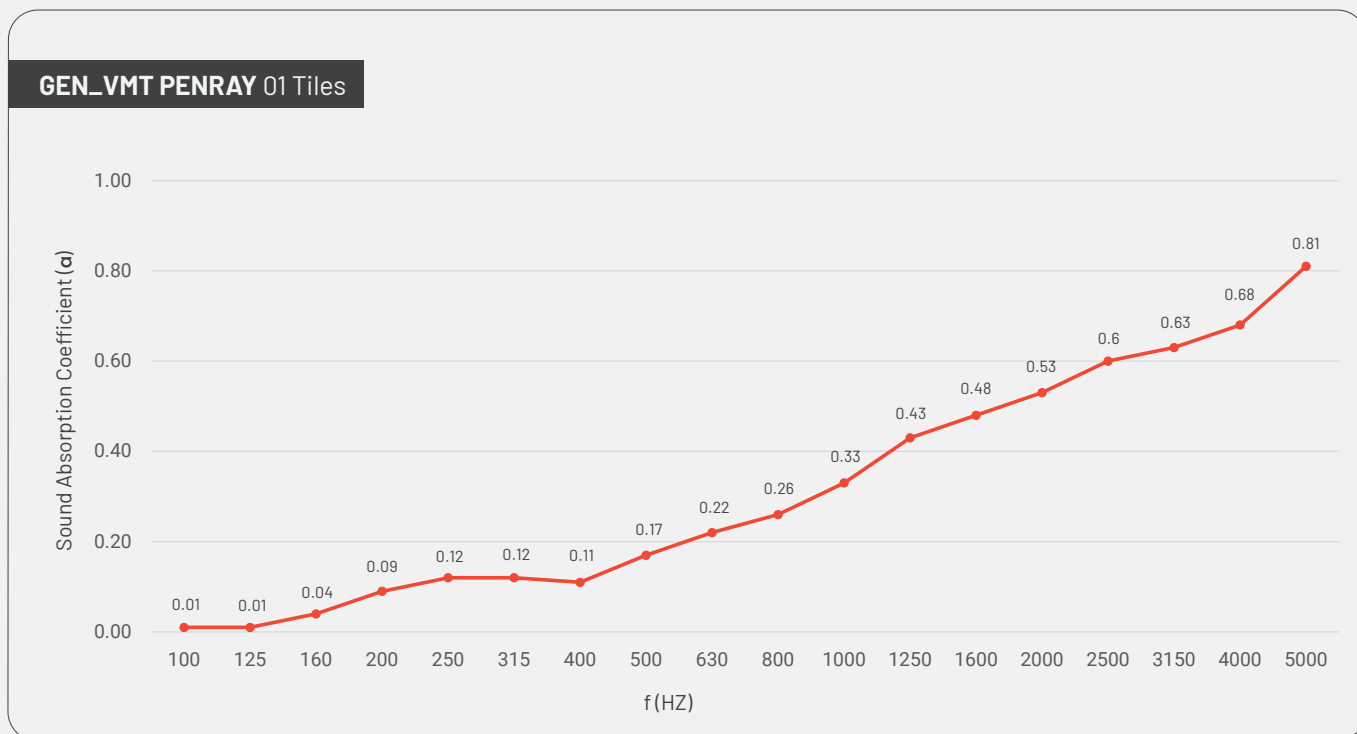
### Performance

Functionality	Absorption
Absorption Frequency Range	Medium and High Frequencies
NRC	0.30

### Fire Compliance

ASTM-E84 Class A | BS 476 Part 6 & 7 Class 1 | EN-13501 Part 1 C, s2, d0

## ACOUSTIC PERFORMANCE:



#### Disclaimers:

Color combinations are available upon request, subject to minimum order quantity (MOQ).

Please note that the dimensions of these panels have a tolerance of +/- 2mm.

Do not apply these panels behind radiators or too close to a heat source.

A slight color variation may occur between different batches.

The product images used are illustrative and may differ from the actual product.

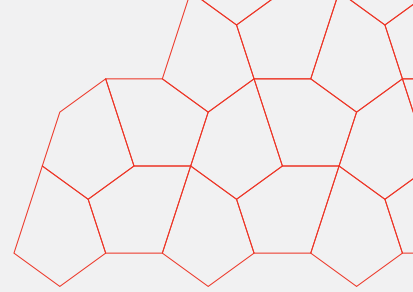
## GEN\_VMT PENRAY 01 Tiles



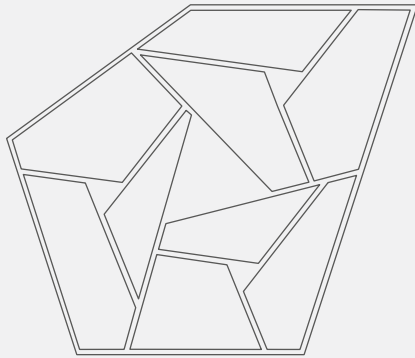


## GEN\_VMT PENRAY 01 Tiles

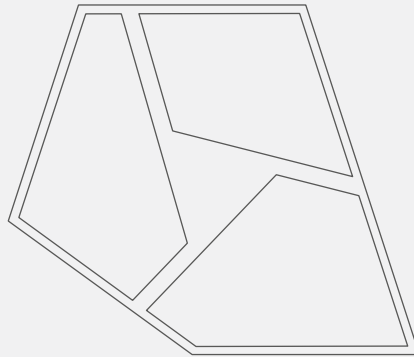




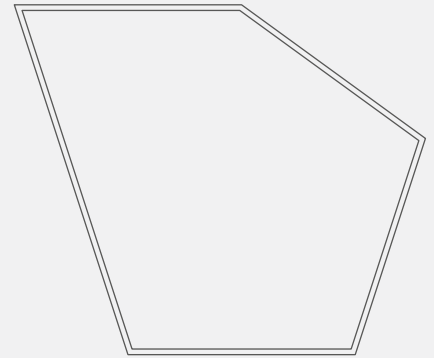
# PENRAY 01 Panel



MODULE DENSITY (S)



MODULE DENSITY (M)



MODULE DENSITY (L)

## Acoustic Panel from the GEN\_VMT Collection

PENRAY 01 Panels, part of the distinguished GEN\_VMT collection recognized by the Red Dot Product Design Award 2020, offer an exceptional solution for covering expansive surfaces. Comprising three distinct modules, the possibilities for combinations are truly limitless.

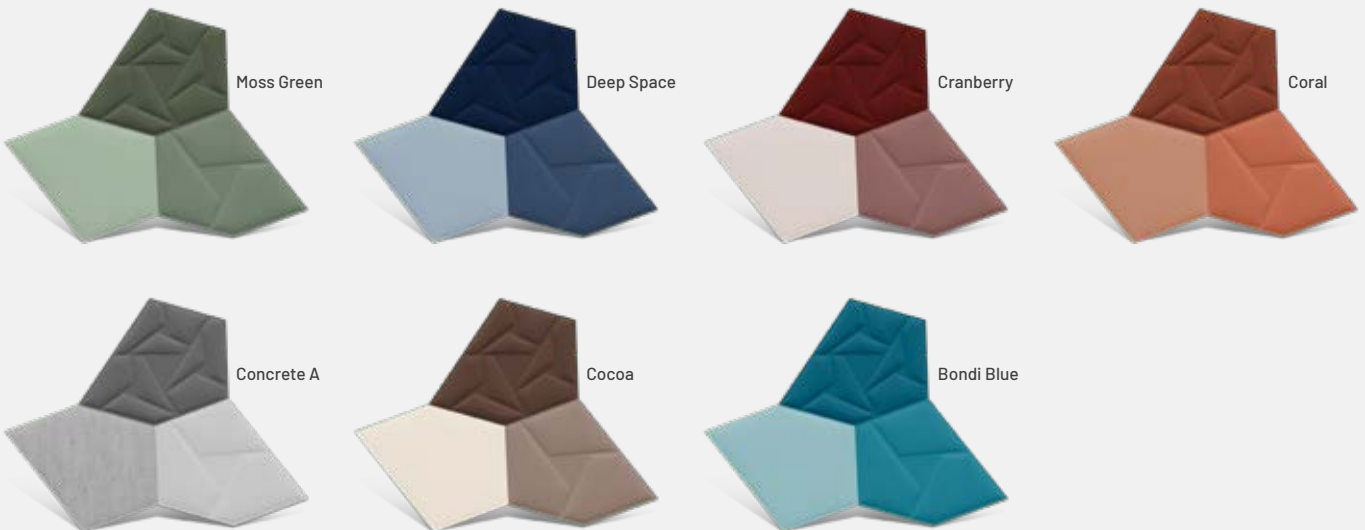
**Application:** Wall

## AVAILABLE FINISHES:

Colors



Pattern



\*Color customization available on request subject to MOQ.



## TECHNICAL INFORMATION:

### Main Info

Dimensions (L x H x W)	600 x 705 x 20mm
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### Installation

Fixation	Silicon Sealant
Place	Wall
Raw Material	Pet Wool

### Packaging Information

Units/Box	6
Box Gross Weight	3.05 kg

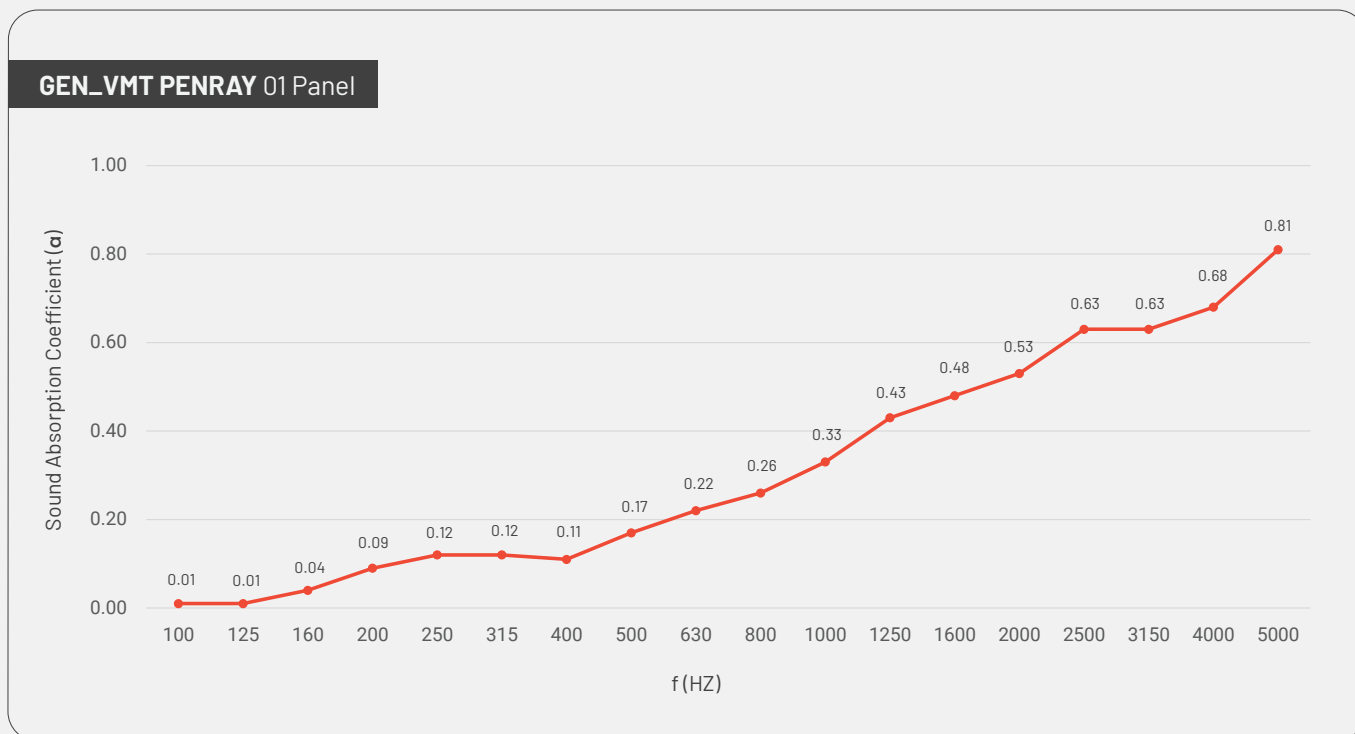
### Performance

Functionality	Absorption
Absorption Frequency Range	Medium and High Frequencies
NRC	0.30

### Fire Compliance

ASTM-E84 Class A | BS 476 Part 6 & 7 Class 1 | EN-13501 Part 1 C, s2, d0

## ACOUSTIC PERFORMANCE:



#### Disclaimers:

Color combinations are available upon request, subject to minimum order quantity (MOQ).

Please note that the dimensions of these panels have a tolerance of +/- 2mm.

Do not apply these panels behind radiators or too close to a heat source.

A slight color variation may occur between different batches.

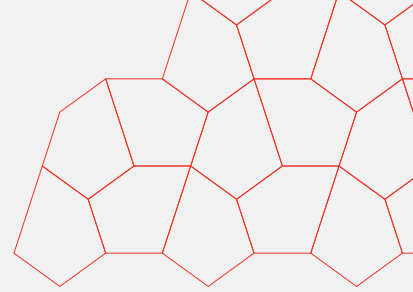
The product images used are illustrative and may differ from the actual product.

## GEN\_VMT PENRAY 01 Panel

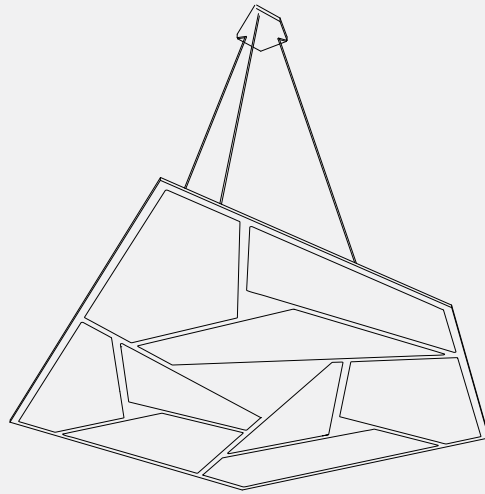
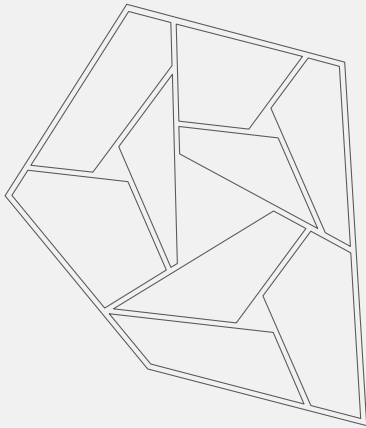


## GEN\_VMT PENRAY 01 Panel





# PENRAY 01 Cloud



An acoustic cloud that transcends traditional concepts. As the inaugural cloud set from the esteemed GEN\_VMT collection, recipient of the Red Dot Product Design Award 2020, PENRAY 01 Cloud sets a new standard. Sustainable and exceptionally durable, it effectively minimizes excess noise across diverse environments, elevating interior design within architectural projects. Moreover, as a suspended acoustic element, it boasts twice the exposed absorbing material area compared to conventional acoustic panels.

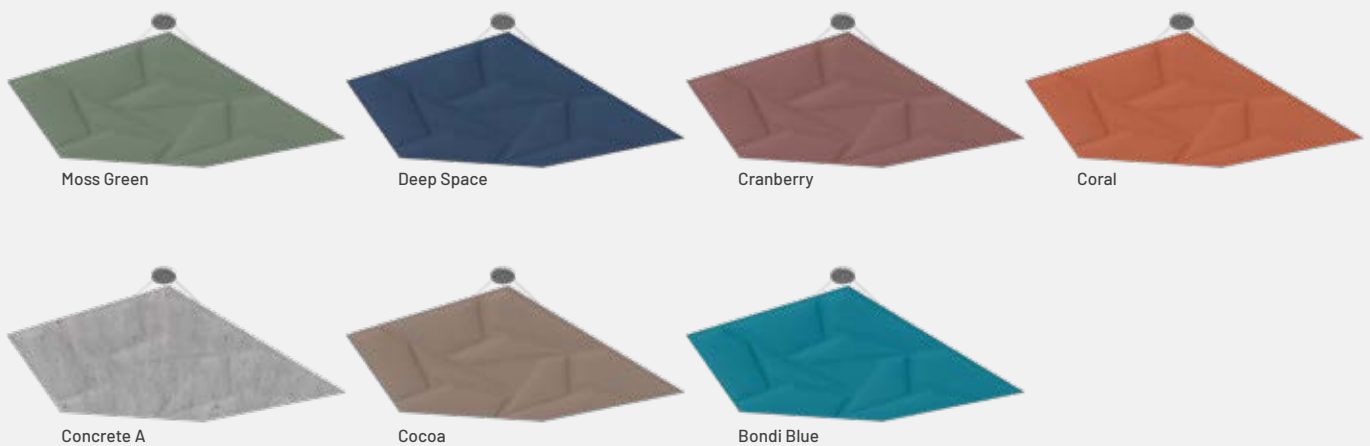
**Application:** Ceiling

## AVAILABLE FINISHES:

Colors



Pattern



\*Color customization available on request subject to MOQ.



## TECHNICAL INFORMATION:

### Main Info

Dimensions	1187 x 949 x 40 mm
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### Installation

Fixation	Mechanical suspended fixation
Place	Ceiling
Raw Material	Pet Wool, with lacquered steel sheet structure

### Packaging Information

Units/Box	1
Box Gross Weight	4.75 kg

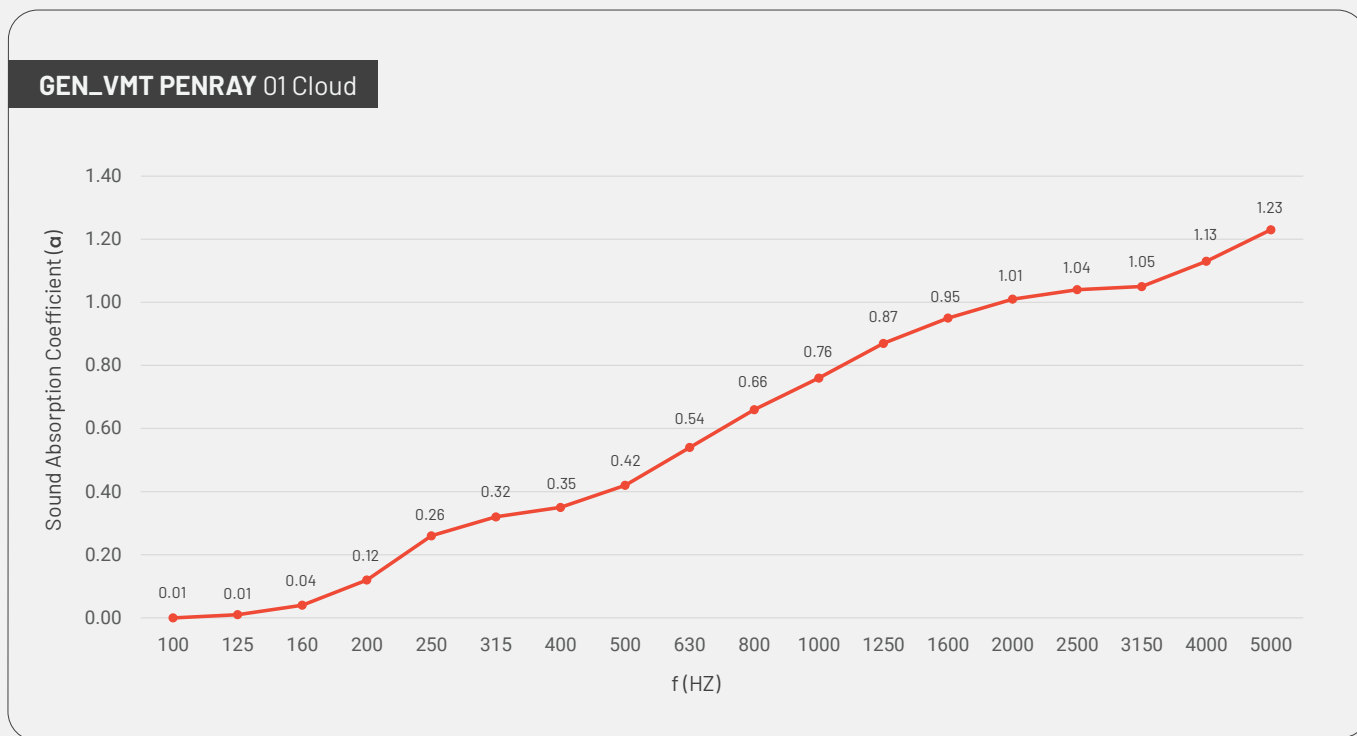
### Performance

Functionality	Absorption
Absorption Frequency Range	Medium and High Frequencies

### Fire Compliance

ASTM-E84 Class A | BS 476 Part 6 & 7 Class 1 | EN-13501 Part 1 C, s2, d0

## ACOUSTIC PERFORMANCE:



#### Disclaimers:

Color combinations are available upon request, subject to minimum order quantity (MOQ).

Please note that the dimensions of these panels have a tolerance of +/- 2mm.

Do not apply these panels behind radiators or too close to a heat source.

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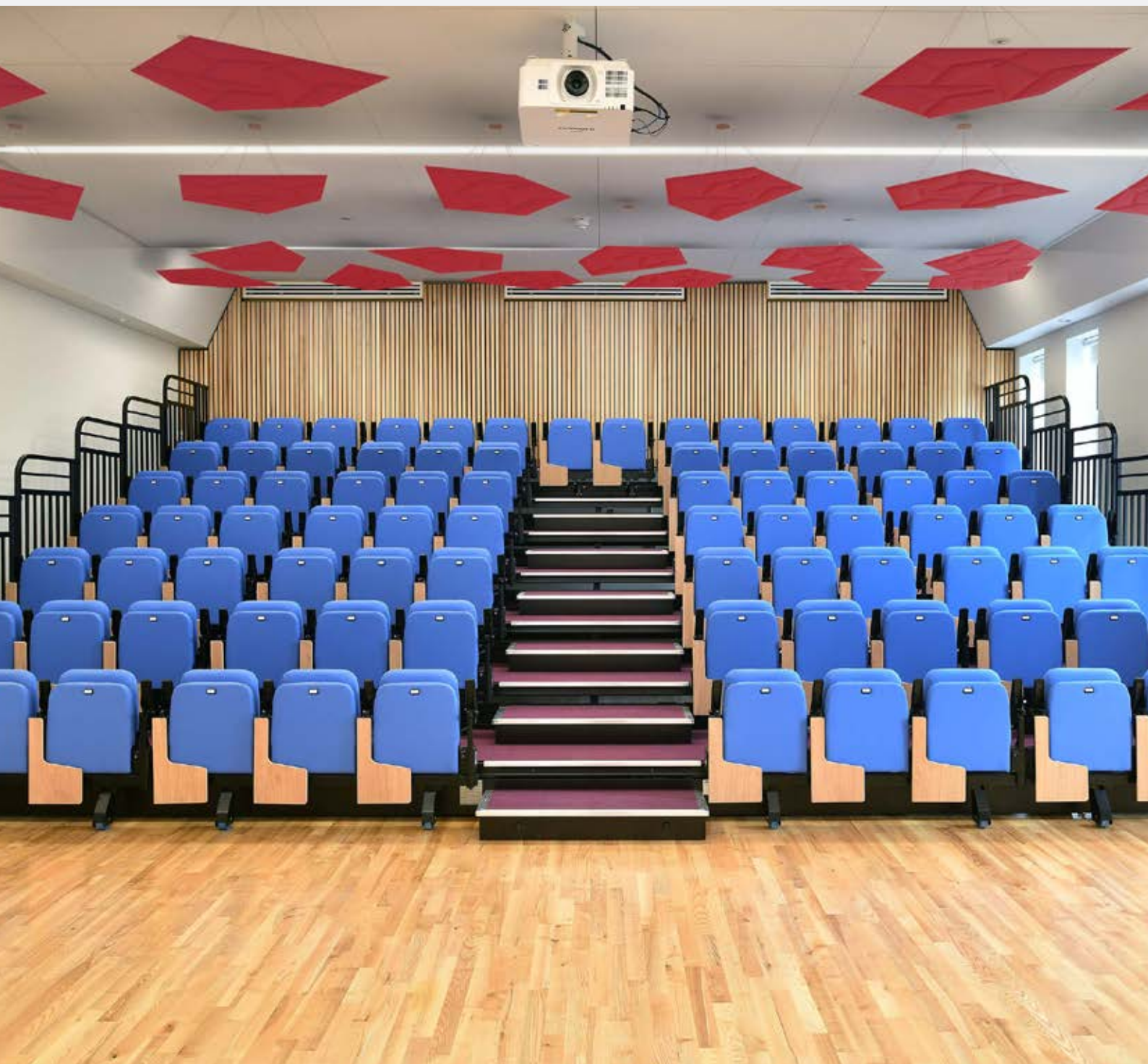
The product images used are illustrative and may differ from the actual product.

## GEN\_VMT PENRAY 01 Cloud



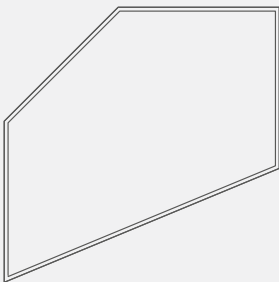


## GEN\_VMT PENRAY 01 Cloud

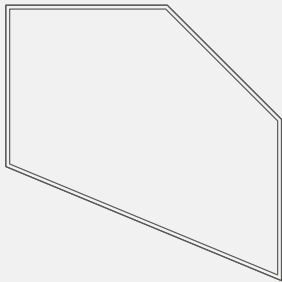




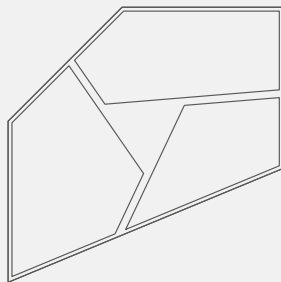
# PENRAY 02 Tiles



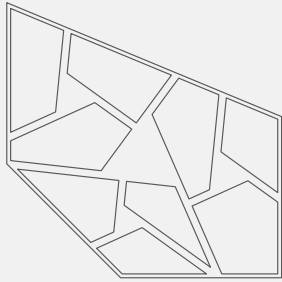
PENRAY 02 TILE TYPE A



PENRAY 02 TILE TYPE B



PENRAY 02 TILE TYPE C



PENRAY 02 TILE TYPE D

Presented in four distinct shapes, these tiles offer a customizable experience, allowing individuals to combine them according to their preferences. Derived from extensive geometric research in pentagonal tiling, each tile takes the form of a pentagon.

Our explorations led us to discover a shape grammar enabling the generation of limitless combinations of single or double main shapes. Furthermore, the strategic use of color enhances the potential of this generative pattern.

**Application:** Wall

## AVAILABLE FINISHES:

### Colors



### Pattern



\*Color customization available on request subject to MOQ.

## TECHNICAL INFORMATION:

### Main Info

Dimensions (L x H x W)	355 x 355 x 20 mm
------------------------	-------------------

### Installation

Fixation	Silicon Sealant
Place	Wall
Raw Material	PET Wool

### Packaging Information

Units/Box	12
Box Gross Weight	1.9 kg
NRC	0.30

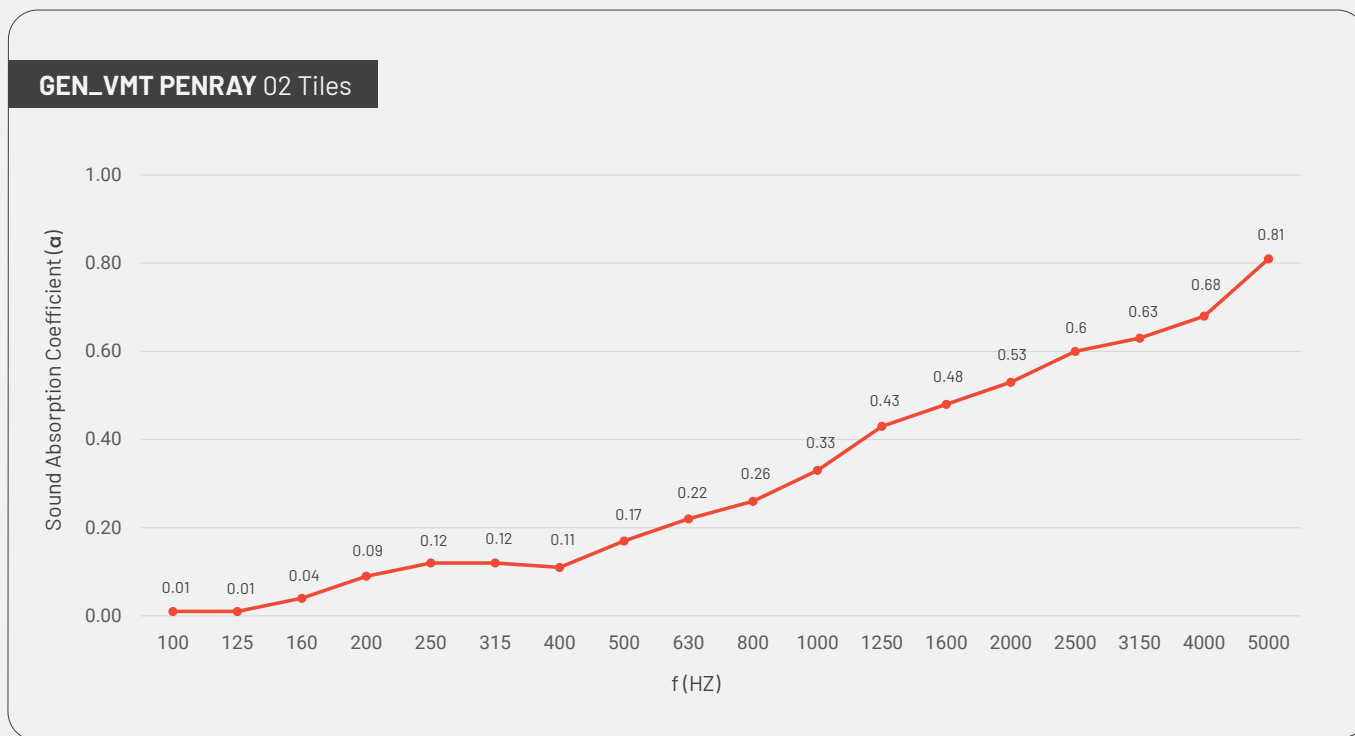
### Performance

Functionality	Absorption
Absorption Frequency Range	Medium and High Frequencies

### Fire Compliance

ASTM-E84 Class A | BS 476 Part 6 & 7 Class 1 | EN-13501 Part 1 C, s2, d0

## ACOUSTIC PERFORMANCE:



#### Disclaimers:

Color combinations are available upon request, subject to minimum order quantity (MOQ).

Please note that the dimensions of these panels have a tolerance of +/- 2mm.

Do not apply these panels behind radiators or too close to a heat source.

A slight color variation may occur between different batches.

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## GEN\_VMT PENRAY 02 Tiles



## GEN\_VMT PENRAY 02 Tiles

