GammaStone Architectural & Design Evolutions

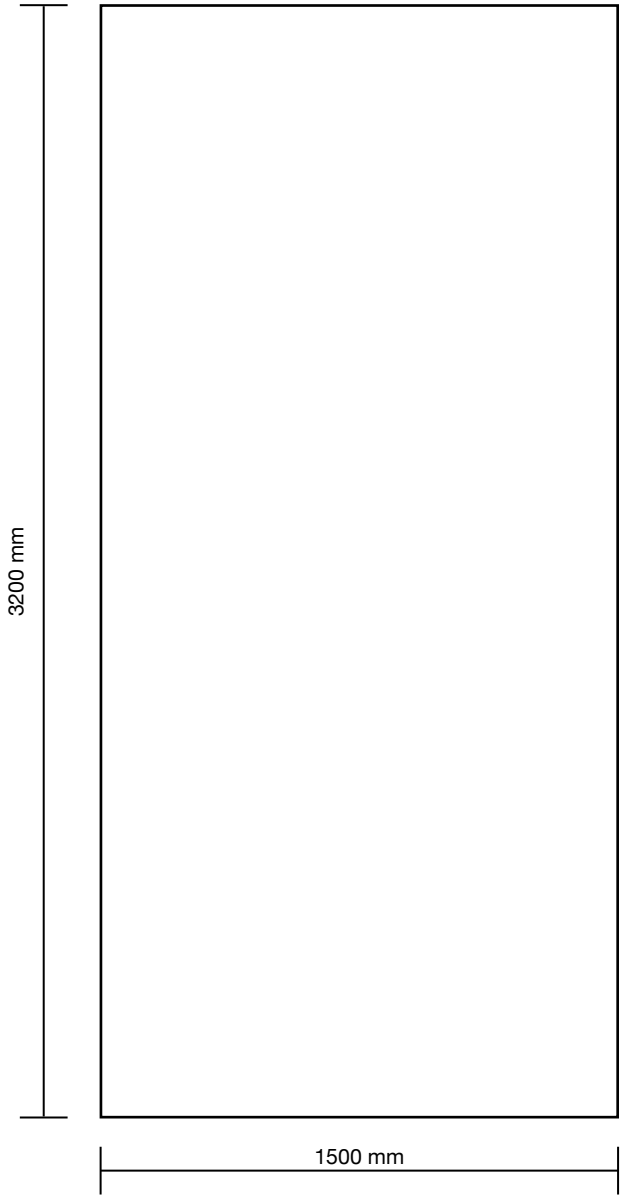
The GammaStone Natural AIR+ solution, made of natural stone, enables the mechanical installation of large-sized panels composed of marble, granite, limestone, or travertine.

This system allows for the creation of beams, columns, and other architectural elements with a monolithic appearance, achieving a seamless one-piece effect. The available sizes depend on the block dimensions, with a maximum size of 3200x1500 mm.



NATURAL AIR+

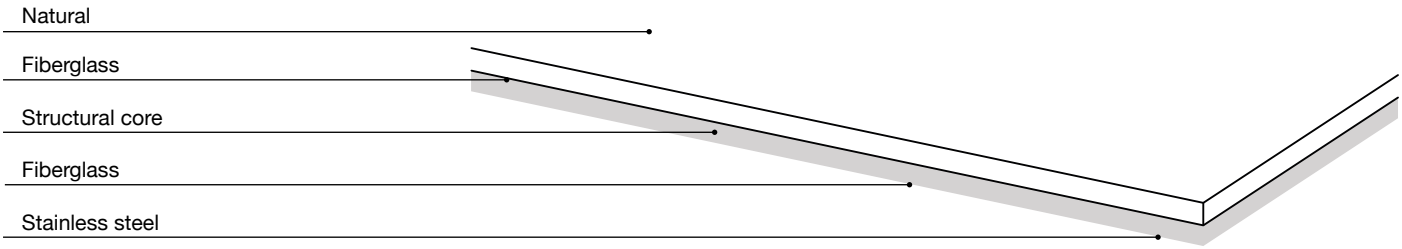
General Data



Max Panel Size

3200x1500 mm (4,8 m²)
126”x59” (52.42 ft²)

Panel Structure



Material

TRAVERTINE



Romano



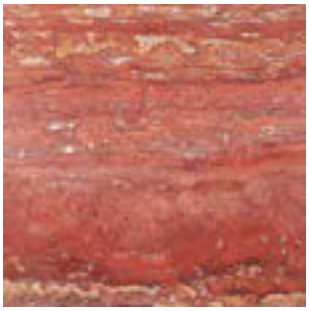
Classico



Silver Romano



Silver



Rosso

LIMESTONE



Gray



Moleanos



Indiana

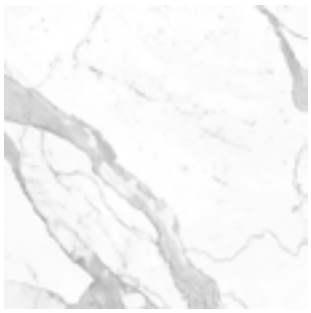


NATURAL AIR - Finishes

Material

MARBLE

Bianco Thassos



Statuario



Bianco Carrara C



Statuarietto



Bianco Carrara Cd

Covelano Bianco Lasa



Lipica Fiorito



Bianco Asiago Verso



Botticino Classico Extra



Crema Marfil



Botticino Classico



Rosso Verona



Grigio Carnico



Nero Marquinia



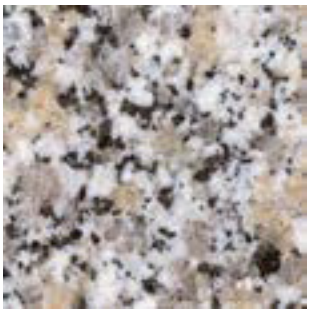
Trani

Material

GRANITE



Bianco Sardo



Rosa Beta



Nero Africa



Nero Assoluto

Materials available upon request from quarries worldwide.



Finishes



HONED



BUSH - HAMMERED



SANDBLASTED



STRIATED

General and Geometrical Tolerance

Natural Air+ 8 mm

TECHNICAL DATA	EU	USA
Max Panel Sizes	3200x1500 mm (4,8 m²)	126”x59” (52.42 ft²)
Total Panel Thickness	15 mm	≈ 19/32”
Stone Thickness	8 mm	≈ 5/16”
Panel Weight	39 kg/m²	7.98 lb/sqft

PANEL STRUCTURE



Natural Air+ 12 mm

TECHNICAL DATA	EU	USA
Max Panel Sizes	3200x1500 mm (4,8 m²)	126”x59” (52.42 ft²)
Total Panel Thickness	19 mm	≈ 3/4”
Stone Thickness	12 mm	≈ 15/32”
Panel Weight	47 kg/m²	9.65 lb/sqft

PANEL STRUCTURE



Natural Air+ (Granite) 12 mm

TECHNICAL DATA	EU	USA
Max Panel Sizes	3200x1500 mm (4,8 m²)	126”x59” (52.42 ft²)
Total Panel Thickness	19 mm	≈ 3/4”
Stone Thickness	12 mm	≈ 15/32”
Panel Weight	47 kg/m²	9.65 lb/sqft

PANEL STRUCTURE



Dimensional Deviations
(size in mm)

Up to 1.000	More than 1.000 Up to 2.000	More than 2.000 Up to 4.000
± 1	± 1.5	± 2

Dimensional Deviations of Monolithic Assembled Returns
(size in mm per each assembled return)

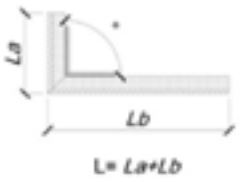
Up to 500	More than 500 Up to 100	More than 1.000 Up to 2.000
-1 +2	-1 +2.5	-1.5 +3

(size in mm per each assembled return)

Up to 500	More than 500 Up to 100	More than 1.000 Up to 2.000
-1 +3	-1 +3.5	-1.5 +4

Edge Tolerances for Monolithic Assembled Returns
Limit deviations refer to the total lenght in mm of the panels on the sides of the return

L Up to 500	L More than 500 Up to 100	L More than 1.000
±1°	±0°30’	±0°20’



Edges fo Monolithic Assembled returns
Dimension of the bevel or radius of the monolithic edge

Natural Stone	Max 5 mm

Thickness
The thickness tolerance of the Air Panel is strictly linked to the material used beacuse it is determinated by the sum of stone tolerance + the tolerance of the Air Panel laminated to the slab of stone.

Material Thickness Deviation (mm)			**Maximum Thickness Deviation of Air Panel (∑ Deviation in mm)**
Natural Stone	tsn	Variable[2]	tss+tsn

[2]Depends on the type of natural stone selected

Deviation from the Diagonals of the Single non Assemled Panels

Diagonal Dimension D1	**Difference with Diagonal D2**
Up to 1000 mm	2 mm
Between 1000 and 2000 mm	3 mm
Above 2000 mm	5 mm

ATTENTION: Deviating from the above specifications requires written agreement between both parties.

The data shown in this technical data sheet are not binding and can be modified without any kind of notice.

Test	Description	Result
UNI EN 13501-1:2018 **UNI EN 13823:2020+A1** **UNI EN ISO 1716:2018**	Fire classification	A2 - s1. d0
PULL OFF STRENGTH	Determination of tensile adhesion strength	Average adhesion value 1.34 ± 0.30 MPa
UNI EN ISO 10545-3:2018	Determination of water absorption, porosity and density	Average water absorption [%] 1,6 Average apparent porosity [%] 4,2 Average apparent density [g/mm3] 2,60
UNI EN ISO 29469:2022	Determination of compressive strength	Average compressive strength value σ10 (kPa) 2962,1 ± 644,3
UNI EN ISO 10545-8:2014	Determination of linear thermal expansion	Average linear thermal expansion value $5,0 \cdot 10^{-6}$ °C^{-1}
UNI EN ISO 10545-4:2019	Determination of flexural strength	Average flexural strength value R (MPa) 16,4 ± 1,5

** It depends on the type of natural stone, the lower value refers to the Travertine, the highest value is for Sandstone. The results are based on tests made on a GammaStone Natural AIR+ panel in Sandstone sawn finish, untreated.*



The GammaStone Natural AIR+ solution in natural stone allows the mechanical installation of large sized panels formed with marble, granite, limestone or travertine. It can be used to make beams, columns and any other architectural element with a monolithic result, creating the e ect of one piece.
The available sizes depend on the block size, the maximum dimension is 3200x1500 mm

NATURAL AIR+

The data shown in this technical data sheet are not binding and can be modified without any kind of notice.

gammastone.com