

ARCHITECTURAL MONOLITHIC ELEMENTS

State-of-the-art solutions

The **GammaStone AIR** system enables designers to choose large format, lightweight panels with confidence. The panels are anchored mechanically either with concealed or visible fasteners, allowing for simple attachment to substrate. The GammaStone AIR system provides a high level of flexibility. Panels can be cut at complex angles, joined with structural epoxy adhesives and reinforced with metal angle, forming a single monolithic architectural element able to meet the most challenging functional requirements of the building. These unique panels allow the manufacturing of false beams or columns with complex and irregular shapes that can bring new vitality to the façades of new or existing buildings. These items are manufactured entirely in our factory and delivered ready for installation on site.



GAMMASTONE AIR HAS SUCCESSFULLY PASSED THE FIRE TEST

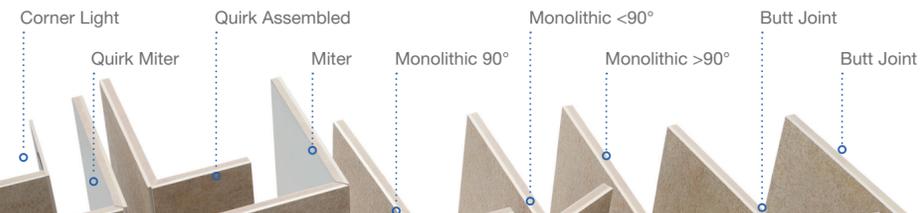
GammaStone Air panels have met or exceeded all the requirements of the two most stringent international fire rating standards, the English (**BS84-1**) and the American (**NFPA 285**). The BS8414-1 standard is by far the most severe testing performed on ventilated facades, throughout the world. The BS84-1 is a critical certification for facade materials in the UK, Middle East, Australia and New Zealand. These certifications provide piece of mind to designers, builders and occupants.



CORNER TYPES

Edges in various angles

GammaStone monolithic corners can be produced with nearly invisible joints, in angles and shapes of varying complexity to meet the demands of today's modern architectural designs. The company's years of experience with natural stone along with their state-of-the-art manufacturing facility, produces corners of incredible precision and beauty. GammaStone, an Italian company, delivers elegance and unmatched craftsmanship to each project, merging the cutting edge of technology together with old world craftsmanship. From the simplest to the most complex, each component is fabricated to the highest level of quality.



GammaStone

Architectural & Design Evolutions

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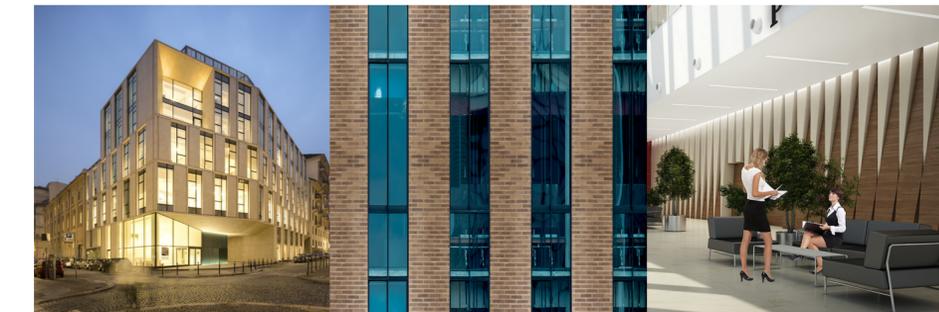
GammaStone

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GAMMASTONE AIR TECHNOLOGY

GammaStone produces extremely lightweight panels in natural stone, porcelain, glass, GFRG Plus, mosaic, and brick in large-format sizes up-to 4200 x 1500 mm. The use of aerospace technology and state-of-the-art manufacturing equipment enables **GammaStone AIR** panels to be highly resistant to impact, bending and compression. Backed by rigorous testing in the United States and abroad, GammaStone AIR panels meet the highest building performance standards. The GammaStone AIR systems, simultaneously open design possibilities while empowering the designer to confidently specify large-format panels. GammaStone AIR is protected by (Patent No. RM2013A000068)



↑ VENTILATED FAÇADES ↑ CURTAIN WALL ↑ COATING

GRES AIR

GRES AIR porcelain gres panels available in large-format sizes up to 3200x1500mm. These ultra-thin, state-of-the-art panels allow simple mechanical installation of 3/16 mm thick ceramic slabs.

MAX PANEL SIZES	TOTAL PANEL THICKNESS	CERAMIC THICKNESS	PANEL WEIGHT
3200x1600 mm (5,120 m ²) 126'x 63" (55,11 ft)	18 mm = 11/16"	6 mm = 1/4"	21 kg/m ² 4.3 lb/sqft
3075x1540 mm (4,735 m ²) 121,06'x 60,63" (50,97 ft)	18 mm = 11/16"	6 mm = 1/4"	21 kg/m ² 4.3 lb/sqft
3075x1040 mm (3,198 m ²) 121,06'x 40,94" (34,42 ft)	17 mm = 11/16"	5 mm = 3/16"	19 kg/m ² 3.9 lb/sqft
3075x1040 mm (3,198 m ²) 121,06'x 40,94" (34,42 ft)	15 mm = 9/16"	3 mm = 1/8"	14 kg/m ² 2.86 lb/sqft

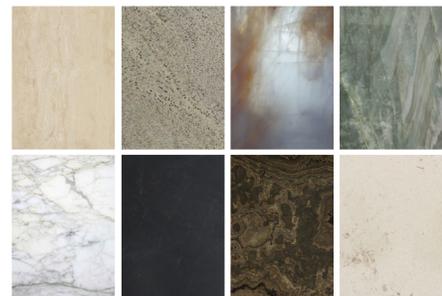


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NATURAL AIR

NATURAL AIR large-format, marble, granite, limestone or travertine panels are used to create beams, columns and other monolithic architectural elements. Panels are mechanically installed and range in sizes up to 3200 x 1500mm.

MAX PANEL SIZES	TOTAL PANEL THICKNESS	STONE THICKNESS	PANEL WEIGHT
3200x1500 mm (4,800 m ²) 126'x 59" (52,42 ft)	17 mm = 11/16"	5 mm = 3/16"	18 kg/m ² 3.7 lb/sqft
3200x1500 mm (4,800 m ²) 126'x 59" (52,42 ft)	18 mm = 11/16"	6 mm = 1/4"	25 kg/m ² 5.5 lb/sqft
3200x1500 mm (4,800 m ²) 126'x 59" (52,42 ft)	24 mm = 15/16"	12 mm = 1/2"	36 kg/m ² 7.4 lb/sqft



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GLASS AIR

GLASS AIR lightweight, back-laquered glass panels are mechanically fastened and extremely resistant to breakage from shock. Panels available in large-format sizes up to 4200 x 1500mm.

MAX PANEL SIZES	TOTAL PANEL THICKNESS	GLASS THICKNESS	PANEL WEIGHT
4200x1500 mm (6,300 m ²) 126,35'x59,06" (67,81 ft)	18 mm = 11/16"	6 mm = 1/4"	21 kg/m ² 4.3 lb/sqft
3200x1500 mm (4,800 m ²) 128,98'x59,06" (51,67 ft)	16 mm = 5/8"	4 mm = 3/16"	16 kg/m ² 3.3 lb/sqft



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GFRC PLUS AIR

GFRC PLUS AIR panels are constructed of an ultra-thin, high-performance concrete slab, on a fiber-glass structural core backed by a .5 mm stainless steel plate. The bio-dynamic concrete in these panels reduces maintenance and increases durability.

MAX PANEL SIZES	TOTAL PANEL THICKNESS	CONCRETE THICKNESS	PANEL WEIGHT
3200x1500 mm (4,800 m ²) 125,98'x59,06" (51,67 ft)	17 mm = 11/16"	5 mm = 3/16"	18 kg/m ² 3.7 lb/sqft

	Ordinary cement	BIO ACTIVE
Initial fluidity	100 mm	> 300 mm
Compressive strength	30 MPa	> 60 MPa
Flexural strength	5 MPa	> 10 MPa



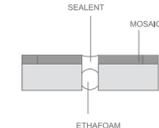
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MOSAIC AIR

MOSAIC AIR panels allow fast, mechanical installation of ceramic or glass mosaic. Panels come pre-grouted with epoxy resin mosaic joints and ready for installation. Joints between panels are designed to continue the mosaic effect through the entire façade.

MAX PANEL SIZES	TOTAL PANEL THICKNESS	MOSAIC THICKNESS	PANEL WEIGHT
2914x970 mm (2,826 m ²) 114'x38,19"(30,42 ft)	16 mm = 5/8"	4 mm = 3/16"	16 kg/m ² 3.3 lb/sqft

CLOSED JOINT SOLUTION



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BRICK AIR

BRICK AIR solution enables fast, dry installation of Klinker or porcelain bricks. The panels are delivered with pointed brick joints and ready for installation. Panels joints are designed to create a uniform effect on the entire façade.

MAX PANEL SIZES	TOTAL PANEL THICKNESS	BRICK THICKNESS	PANEL WEIGHT
3000x1000 mm (3,00 m ²) 118'x 39" (32 ft)	19 mm = 3/4"	7 mm = 1/4"	17 kg/m ² 3.5 lb/sqft
3000x1000 mm (3,00 m ²) 118'x 39" (32 ft)	18+23 mm = 11/16"+= 7/8"	6+11 mm = 1/4"+= 7/16"	27+30 kg/m ² 5.5+6.1 lb/sqft
3000x1000 mm (3,00 m ²) 118'x 39" (32 ft)	27 mm = 1 1/16"	15 mm = 9/16"	22 kg/m ² 4.5 lb/sqft
3000x1000 mm (3,00 m ²) 118'x 39" (32 ft)	32 mm = 1 1/4"	20 mm = 3/4"	22 kg/m ² 4.5 lb/sqft



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PROJECTS AROUND THE WORLD

GammaStone with its AIR technology is able to adapt quickly to the ever changing needs and trends of the architectural design sector. Along with their commitment to quality and reliability, this versatility has contributed to GammaStone's ever growing presence as a premier façade manufacturer. As GammaStone continues to be featured on more high profile projects around the world, we remain committed to the core philosophies that have made GammaStone a world leader.

GAMMASTONE AIR SYSTEM IS IDEAL FOR ALL INTERIOR AND EXTERIOR FACADES.

