



PORCELAIN PANELS

MAXIMUM[®]
FIANDRE EXTRALITE

INNOVATION

MAXIMUM

Beyond the limits of classical ceramic sizes, beyond traditional spatial boundaries, Maximum is the revolutionary, award winning porcelain stoneware from Graniti Fiandre, Italy.

This innovative and unique 3000 x 1500 x 6mm format is made from high quality pressed porcelain (not extruded) material providing designers with a unique, lightweight (14.67kg/m²) architectural finish that delivers a beautiful, resilient finish with greater strength and design flexibility.

Utilising advanced technologies, Fiandre's laboratories have developed a one of a kind material available in a series of finishes that must be experienced to be believed.

From beautiful finishes inspired by nature, to the cool contemporary look of concrete, Maximum is an environmentally friendly, 100% natural, partially recycled product available in a wide range of colours suitable for residential and commercial projects.

Maximum is exclusively distributed in Australia by Maximum Australia.

www.maximumaustralia.com



PROPORTIONS

MAXIMUM

3000 x 1500 x 6mm Porcelain Panels

Maximum Porcelain Panels are made entirely from natural materials such as sand, quartz, clay, feldspar and recycled content. No toxic resins or chemical binders are used, as with reconstituted stone products. State of the art technology and equipment is used to combine materials in a unique manufacturing process.

Maximum panels, with a high impact 3000 x 1500 size, enables 4.5 square metres of coverage per panel. This innovative form of high-tech lightweight (14.67kg/m²) ceramic offers a minimal thickness of only 6 mm delivering designers the inspiration to experiment with new forms and expressions.

The revolutionary Maximum material combines the established, classical characteristics that have always set Fiandre's porcelain stoneware tiles apart, with new exceptional, high performance qualities: **strength, lightweight, flexibility and ductility**, with a choice of finishes from sophisticated matt to the bright sheen of a polished finish.

Maximum combines maximum design freedom with great flexibility. The maxi-slab dramatically reduces the number of interruptions in the design unit and, at the same time, the wide range of submultiples offered guarantees great versatility for all requirements.

Graniti Fiandre's proprietary technology has made it possible to create stunning slabs in an astonishing size associated with a minimum thickness that are also environmentally friendly. This substantially reduced 6mm thicknesses allows 2 to 3 times less raw material to be used compared to quarry materials, as well as lower energy consumption during production.



*"The inspiration for this material,
is our desire to excel,
to go beyond the ordinary and
the everyday"*

Federica Minozzi - Graniti Fiandre CEO

APPLICATIONS

MAXIMUM

Thanks to its lightweight, easy installation (cutting, drilling, grouting, etc.) and maintenance, Maximum is particularly suited for all exterior facade cladding, including ventilated systems and interior applications for covering walls and floors in multi-residential, retail and commercial areas, including all refurbishment projects. **Size, thickness, quality, safety and aesthetics** are the outstanding features that make Maximum a highly versatile material suitable also for other applications such as:

Exterior Facade Cladding

Design solutions for all exterior facade facing and ventilated systems. The ability to install panels up to 3000 x 1500 x 6mm offer unlimited applications. Each panel is a lightweight (14.67kg/m²) aesthetic solutions for building facades and is suitable for all project types including, multi-residential, commercial, retail, hospitality, hospitals, showrooms and more...

Government Projects

Maximum is particularly well suited to a vast array of projects including motorway tunnel linings, hospitals/medical centres, railway and airport terminals, universities to name a few.

Internal Floor & Wall Linings

Maximum is a porcelain panel rather than a tile, and in this case, size does matter! Fiandre's advanced research combines the technological and aesthetic to produce the largest sized material available with a completely smooth finish. The lightweight nature of each panel means installation time is greatly reduced and they are available in an outstanding range of colours and finishes from a semi matt through to a polished finish.

Kitchen Bench Tops/Splash Backs and Bathrooms

Maximum Porcelain Panels offer a modern contemporary look with their slim profile and exciting choice of finishes. Lightweight, easy to install and maintain Maximum can be used for residential or commercial projects including kitchen and bathroom bench tops and flooring.

Refurbishment Projects

Maximum offers unlimited applications and cost effective solutions to all refurb works in revitalising worn out and outdated buildings.



SOLUTIONS

MAXIMUM

KITCHENS AND BATHROOMS

Kitchen Bench Tops/Splash Backs/Bathrooms

Maximum Panels for kitchens & bathroom benchtops, offer a modern contemporary European look with its slim profile and choice of finishes. Unlike reconstituted products, using the latest technology, Maximum is made from 100% natural and recycled material without the use of toxic resins or chemical binders.

The slim aspect of the Maximum profile offers a wide range of design alternatives for bench-tops, vanities, splash backs, with the potential to carry through the design representation onto floors & walls.

Advantages over reconstituted products:

- **Natural stone aesthetics**
- **Made from 100% natural materials:** no sealants, waxes, epoxies, man-made binders or artificial colouring agents that could add to harmful VOC off-gassing after installation
- **High strength and scratch resistant**
- **Stain and mould resistant**
- **UV stable** (will not fade in direct sunlight)
- **Thermal shock resistant**
Can install against cooktops and will not be effected by placing hot pots direct to surface
- **Up to 36kg/m² lighter than 20mm thick products**
- **Easier to install and handle**
- **Perfect for bathroom vanities, floors & walls**





COLLECTION

MAXIMUM

Marmi Maximum

The timeless classical nature of traditional marble. Materials incredibly similar to quarry materials that give any space authentically natural surfaces. Veins, cloudiness and fine variations that bring ethereal, timeless nuances to spaces.



Calacatta



Imperial White



Michelangelo



Royal Marfil



Taxos



COLLECTION

MAXIMUM

Aster Maximum

Beyond the limits of classical ceramic sizes, beyond the spatial boundaries, with its proposals in shades and sizes Aster Maximum puts itself as a new frontier for the porcelain surfaces enriched with a brushed effect of unusual design inspired by concrete.

Aster offers a range of shades fading from anthracite (Moon) to pale diaphanous Uranus. Two different shades of grey, a lighter, Venus evoking the brighter planet in the night sky, and a darker, Mercury, suggested by the craters of the rocky planet, complete a range of colours developed to give greater emphasis to surfaces made of full body porcelain tile.



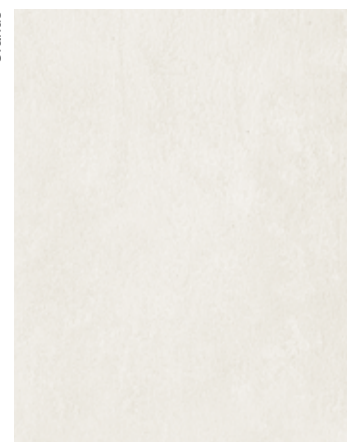
Mercury



Moon



Uranus



Venus



COLLECTION

MAXIMUM

DataUni Maximum

Lively shades treat your projects with even more character and personality. DataUni has finally gone large, actually huge: Fiandre bold colours are now also available in the incredible Maximum size.

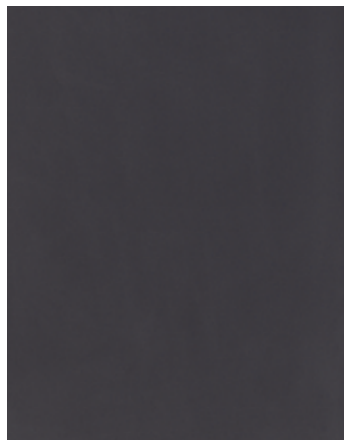
Ice & Pepper will pervade your spaces like subtle leaves of gleaming coloured flickers. 6mm thick and with incredible dimensions, available in 2 colours at this stage, they will give your projects character, vitality and personality. The classic semi-gloss finish is placed alongside the polished finish, which makes the tones even more sparkling and unique.



Ice



Pepper



COLLECTION

MAXIMUM

Natura Maximum

Fiandre's inspiration has always been nature, a precious box that preserves the most valuable assets. From the quarry marbles up to stone and wood, which provides a new impulse to re-create this noble material, part of the manufacturing and craft tradition since the prehistoric times.

The Natura Maximum Collection wants to fulfil an extremely difficult task: a natural material combined with the most advanced technology, in order to give a new impulse to an ancient conception of building.

The Phoenicians had previously exploited the sinuousness of the majestic cedars of Lebanon, in order to make their agile boats. From this ancestral material the new woods of Natura Maximum are shaped, a sustainable solution for the desire of nature that characterizes cities today.

Available in 2400 x 240 and 1200 x 240 x 6mm panels



Magnolia



Cenere



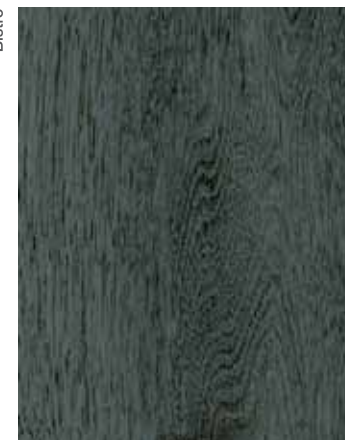
Castagno



Frassino



Bistro



METALS

MAXIMUM

The visual spectacle of forged metal

Metals have been created to combine the beauty of naturally occurring metallic compounds with the lightweight durability of porcelain panels. Two finishes can provide texture or sheen to any surface.



Metal - White Iron



Metal - Steel



Metal - Zinc Titanium



Metal - Oxidium



COMMERCIAL

MAXIMUM

COMMERCIAL/RETAIL AND MULTI-RESIDENTIAL

External Cladding

Direct Adhesive Solution/Ventilated Facade System

Direct Adhesive Solution

With the technological advancement of epoxy and polyurethane adhesive systems, Maximum is also a perfect solution for this application.

Ideal for the refurbishment of existing buildings which need urgent face lifts. The aesthetic appeal of Maximum Porcelain Panels will offer a striking alternative to traditional cladding systems such as aluminium composites, pre-finished CFC, FC, rendered and painted pre-cast walls.

MAXIMUM Australia has developed 4 fixing options for external or internal cladding:

Open expressed joint fixing channel

Mechanically and adhesive fixed to vertical support angle profiles with a 10mm open joint

Closed joint profile trim

Concealed fixings, mechanically and adhesive fixed using a 7.5mm wide H profile joiner trim.

6mm expressed joint

James Hardie backing strip (used for CFC). Panels are adhesive tape fixed horizontally to vertical support profiles.

Closed joint

Adhesive and double sided tape method, with an approx 2mm joint.

Ventilated Facade Systems

Maximum offer the most ideal solution as an alternative to standard facade cladding products. The covering materials of a ventilated wall must meet the following requirements: reduced water absorption, non-flammability, resistance to UV, resistant to chemical and air pollution, lightweight and limited maintenance.

Maximum has all these characteristics, making them technically better than quarry materials and classifying them as one of the most suitable materials for ventilated facades. Maximum 6mm porcelain panels are only $(14.67\text{kg}/\text{m}^2)$ as compared to 20mm marble or granite which is approx $50\text{kg}/\text{m}^2$. The load bearing weight is drastically reduced, a factor especially important in renovation works or new builds.



PROJECTS

MAXIMUM

Recent Projects

Agricultural Bank of China

Chifley Tower – Sydney

Michelangelo Statuario Polished.
Full 3000 x 1500 panels for walls
cut to size 1000 x 750 for floors



Refurbishment Projects

Maximum offers ideal applications & cost effective solutions to all refurb works in revitalising worn out and outdated buildings.

For exterior cladding Maximum Porcelain Panels can be easily direct adhesive fixed over existing concrete or similar substrates or can be installed with a lightweight ventilated frame & panel system.

Internal Floors and Walls - Maximum can be fixed directly over existing tile or marble floors without the costly need to remove material. The local technical team here at Maximum Australia will ensure that the correct solution is applied to your project.



SUSTAINABILITY

MAXIMUM

GREEN, NATURAL AND SAFE.

Sustainability

Environmental focus is vital to the Graniti Fiandre production of porcelain surfacing products. They are, and always have been, sustainable, green and environmentally-friendly because they are made with 100% all natural minerals.

They are also sustainable because of what isn't there: no sealants, waxes, epoxies, man-made binders, or artificial colouring agents that could add to harmful VOC off-gassing after installation.

A commitment to green necessitates a thorough understanding of a product's future. Maximum Porcelain Panels are designed to last a lifetime. With a hardness rating 30% harder than granite and a low porosity rating, Fiandre materials are more durable than any other hard surfacing product. These characteristics result in a reduction of future materials usage, along with a high stain resistance that reduces maintenance requirements.

Fiandre materials are also chemically inert making them stable fill for use in construction sites and as ground material in road beds, which reduces the need for quarried gravel.

Fiandre's worldwide corporate environmental stewardship is hallmarked with significant investments in materials usage efficiency, water resource management, air quality protection, and energy efficiency.

Maximum Self Cleaning Panels

Active™ Clean Air and Antibacterial Ceramic Maximum Porcelain Panels, as an option can be specified with Active™ Clean Air and Antibacterial Ceramic as a self cleaning tile application. A patented productive process used to make ECOACTIVE ceramic tiles and surfaces with anti-pollutant and antibacterial properties.

Active is embedded and fused into the panel at manufacturing stage, so it will not lose its effectiveness over the life-span of the product. At the moment the largest format possible for the application is 1500 x 750mm.

Uses

Considering how effective the Active™ Clean Air and Antibacterial Ceramic treatment is when applied to ceramic surfaces, the resulting materials are suitable for applications in a wide variety of fields, for both residential and commercial and public building projects.

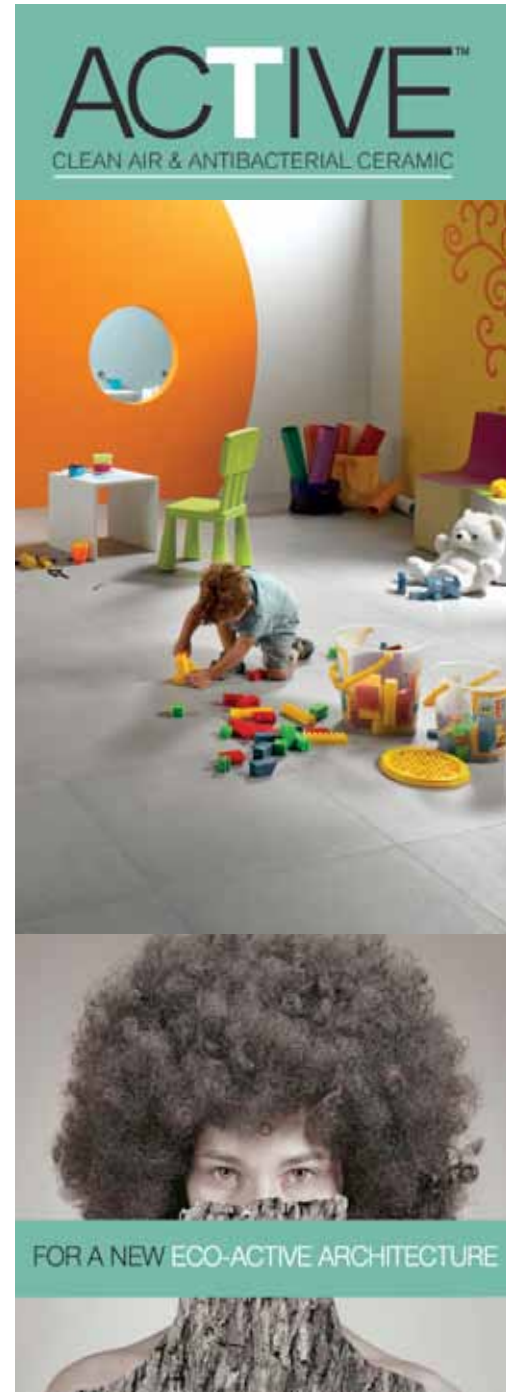
The care taken when choosing building materials is an extremely important factor in the field of architecture: the appearance of a building is determined to a large extent by its ability to remain unaltered over time. Any building that is exposed daily to attack from the polluting substances present in the air, especially in urban environments, soon begins to deteriorate. The application of the principle of photocatalysis brings real benefits in the field of architecture.

Another fitting example can be the application of Active™ in hospital and sanitary field, linked with specific UVA lamps to maximize the effects, which can activate the antibacterial process and therefore sanitizing surfaces in these special uses, as well as in the educational and wellness fields, all areas where hygiene is particularly important.

With their excellent antipollution, materials treated with Active™ are also ideal for tiling outside walls, where the direct contact with light activates the antipollution effect guaranteed by photocatalysis.

TiO₂ adheres perfectly to the surface of the material, thus guaranteeing long-lasting effectiveness: it features a medium-high surface abrasion resistance, and can also be used for floors.

For more information – www.active-ceramic.com





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