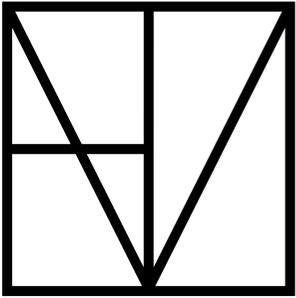
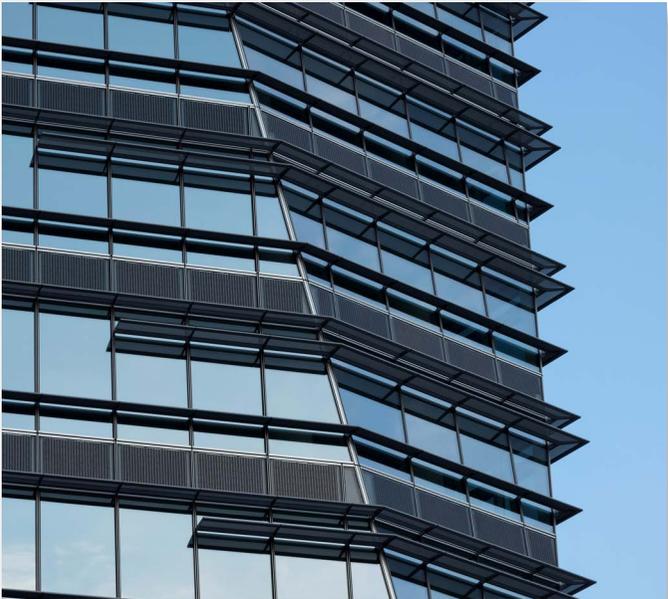
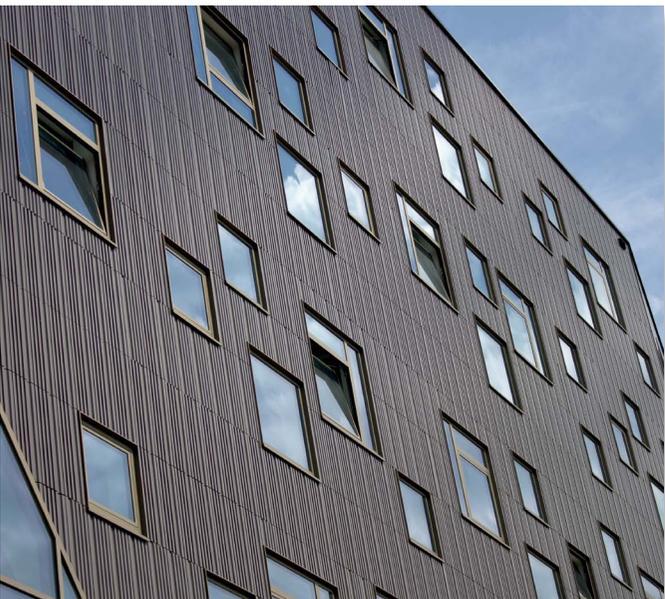


# METZ FACADES



METZ®



World renowned architectural facade products under one umbrella



**PRESTO**  
CERAMIC FACADE SYSTEMS

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Ventilated facades  
Finishes  
Textures  
Colours



**ONYX SOLAR**  
BUILDING INTEGRATED PHOTOVOLTAICS  
(BIPV)

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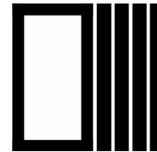
Double skin  
Curtain walls  
Skylights  
Louvres  
Walkable floor panels



**BB FIBERBETON**  
GLASSFIBRE REINFORCED CONCRETE  
(GRC)

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Durable  
Lightweight  
Formable



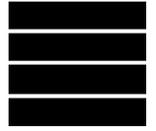
**Al3x**  
ALUMINIUM SYSTEMS

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Cladding  
Batten  
Woodgrain  
Special finishes



# METZ PRESTO CERAMIC FACADES



## DESIGN

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Presto Facades offer extruded ceramic panels that can provide variety in styles, shapes, profiles and colours.

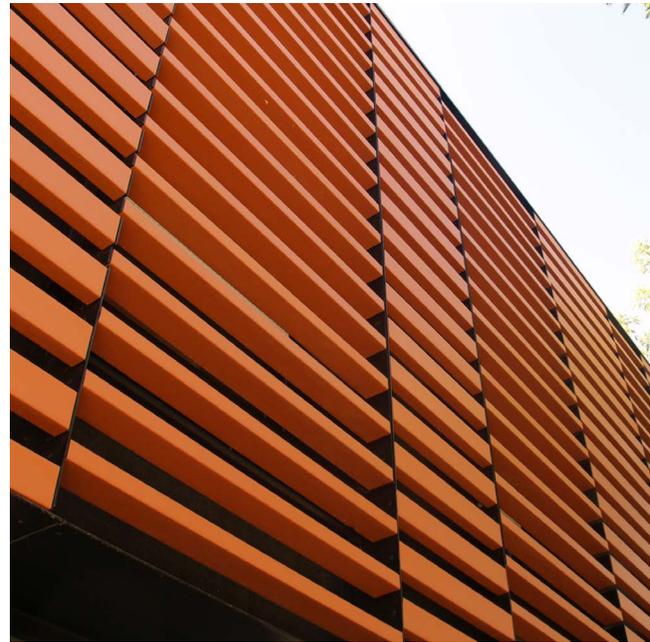
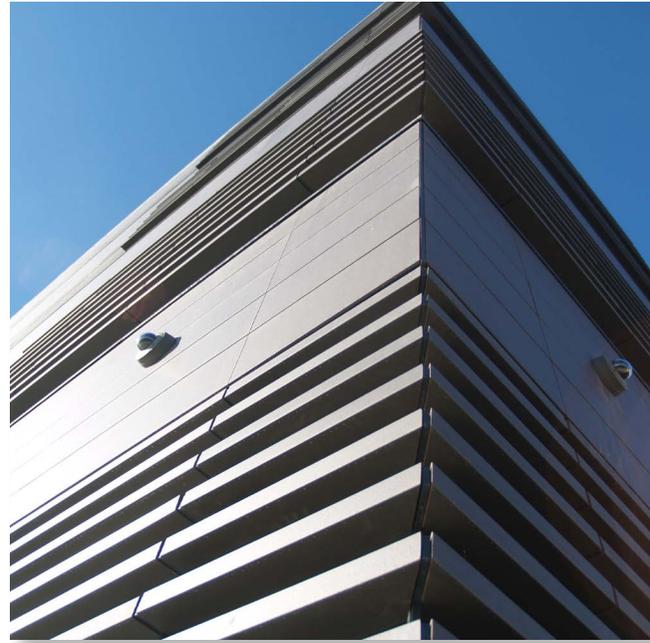
Standard panel sizes are 400mm (wide) x 1200mm (long) x 17mm (thick) but formats up to 3m in lengths and 1m in heights are also possible.

## FIXING SYSTEMS

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Metz Presto panels incorporate fixing systems for both standard horizontal as well as vertical orientation that provide for secret fixing and individual panel removal.

 **CERTIFIED**  
**NON-COMBUSTIBLE**  
CSIRO TESTED TO AS1530.1



## STRENGTH/ENGINEERING/SIMPLICITY

Metz Presto is a ventilated facade system comprising of ceramic panels. Presto panels are designed to be installed on horizontal profiles (G-Channel) via a feature groove formed on the back of the panel during the manufacturing (extrusion) process. Presto panels allow for easy installation embracing horizontal modulation with continuous linear fixings and vertical modulation with point fixings.

The system encompasses hidden fixing methods which are anchored to a substructure.



STONE look panels



TIMBER look panels



CEMENT look panels



BRICKS & MORTAR look panels



PLAIN GLAZED



STONE



METALLIC



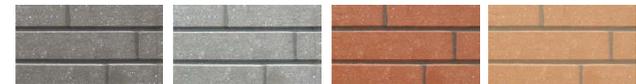
TIMBER



UNGLAZED



BRICK





### ANTIBACTERIAL (ISO 27447)

Active Plus Sun reacts under UV rays destroying microorganisms such as E-coli and Staphylococcus and preventing the creation of biofilm in which these organisms tend to grow.



### SELF CLEANING (ISO 27448)

Another property of Active Plus Sun is the hydrophilicity. The breakdown of organic soils is increased by photocatalysis (sunlight). The degraded soiling is then washed away by rainwater.



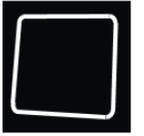
### DECONTAMINATION

The photocatalytic effect contributes to reducing air pollution, mainly on nitrogen oxide (NO<sub>x</sub>) compounds, through two actions.

- ▲ By direct action: reduction of harmful gaseous substances (nitrogen oxide (NO<sub>x</sub>) as benzene, toluene, etc).
- ▲ Degradation of the macromolecule (NO<sub>x</sub>) backed by laboratory test according to UNE EN 221971.
- ▲ For indirect action: by destroying pollutants such as ozone precursors (NO<sub>x</sub>), with the formation of ozone (O<sub>3</sub>).



# ONYX SOLAR BUILDING INTEGRATED PHOTOVOLTAICS



## PHOTOVOLTAICS GLASS FOR BUILDINGS

Onyx Solar is the world's leading manufacturer of transparent photovoltaic (PV) glass for buildings.

Onyx Solar uses photovoltaic glass as a material for buildings with the aim of capturing the sunlight and turning it into electricity. The panes are made of layers of heat-treated safety glass which can provide the same thermal and acoustic insulation as conventional architectural glass while letting natural light through. Thus, the photovoltaic glass+glass panes could be installed replacing conventional glass on building facades, curtain walls, atriums, canopies and terrace floors, among other architectural applications.

By providing the same thermal insulation as conventional glass, along with the capacity to generate free and clean electricity from the sun, it enables buildings to drastically improve their energy efficiency, decrease operation and maintenance costs, and reduce their carbon footprint.



PHOTOVOLTAIC



MULTIFUNCTIONAL



FINANCIAL  
BENEFITS

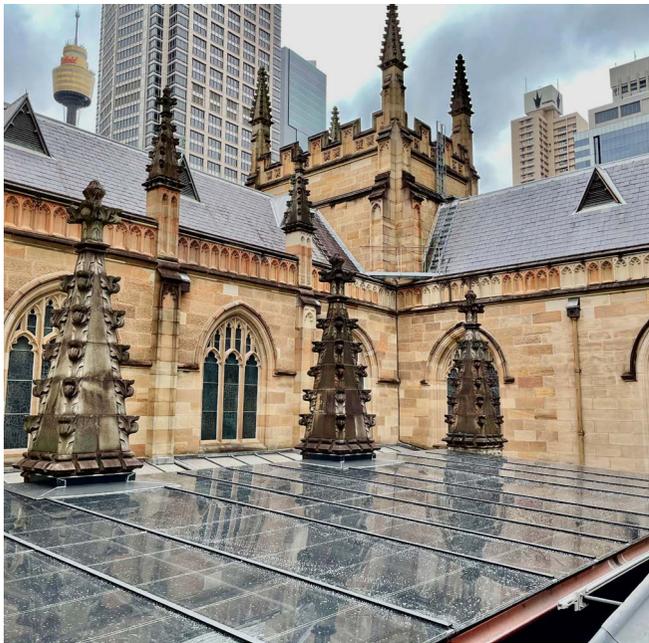
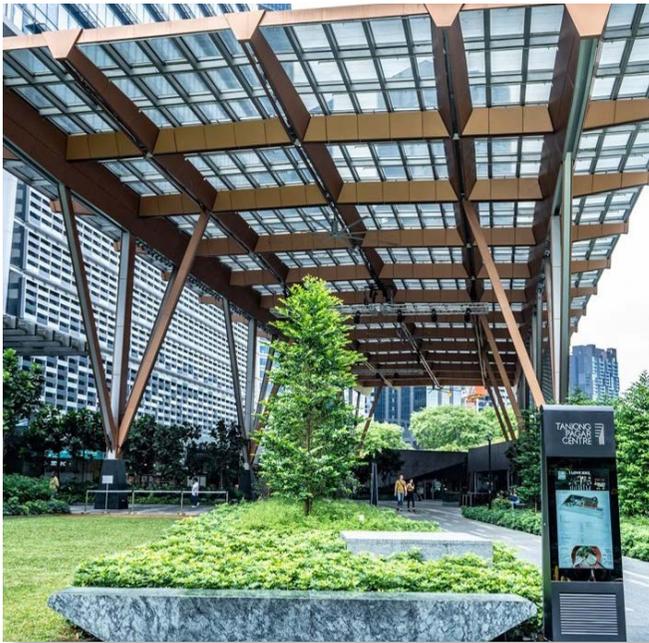


AESTHETIC



EASY TO INSTALL





## AESTHETIC PHOTOVOLTAIC SOLUTIONS FOR BUILDINGS THAT GENERATE THEIR OWN POWER

### Crystalline Silicon (c-Si)

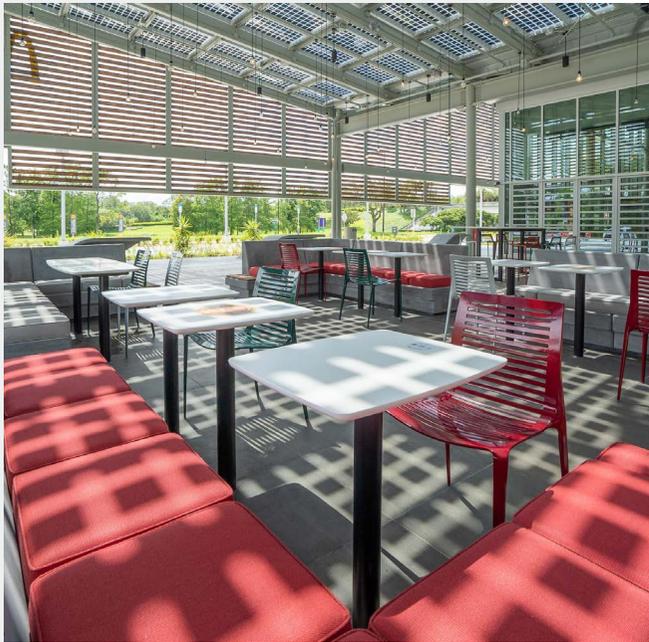
- Mono Crystalline
- Poly Crystalline
- Solid Colours for Cladding - White, Corten Steel, Terracotta, Blue etc.
- Walkable floor panels
- Acid etch finishes

### Amorphous Silicon (a-Si)

- Translucencies - Dark, Low, Medium, High
- Skylights
- Facades
- Double glazing
- Colours

Endless possibilities...





## MCDONALDS WALT DISNEY ORLANDO

McDonalds chose Onyx Solar's photovoltaic glass to integrate into its new flagship restaurant located in Walt Disney.

The opening of this restaurant shows the company's firm commitment to sustainability and energy efficiency since it will become a Zero-Energy Building and McDonalds First Zero-Emission Restaurant in the U.S, thanks to the innovative building material of Onyx Solar among other sustainable initiatives.

McDonalds wanted to have an efficient restaurant, with 100% Green energy and no CO2 emissions to the atmosphere. McDonalds also wanted to educate all those who make use of it. Inside, users will be able to watch videos about the project as well as techniques and changes they can make in their lives to help in the fight against climate change.

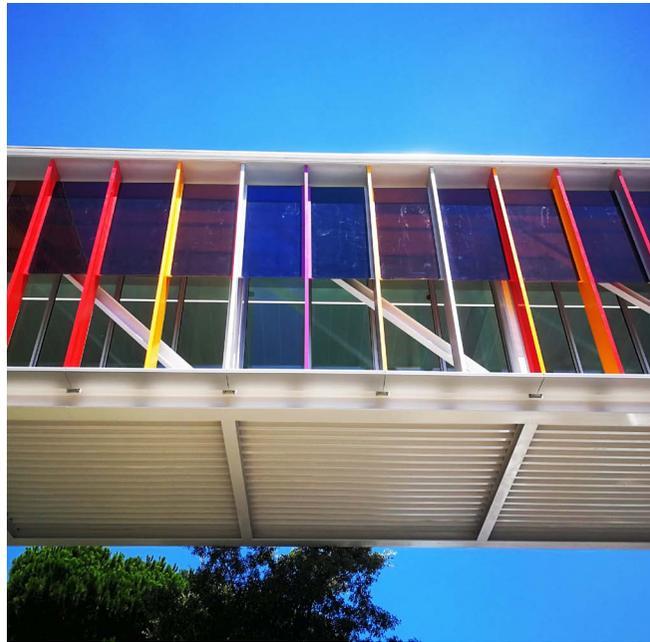


## INFRASTRUCTURE

Innovative solar technology for Transport for NSW.

A one-of-a-kind-project where photovoltaic glass was installed into a canopy structure at the Como Railway Station.

The station is now sustainably powered with solar energy during the day via the PV glass system that provides a reliable, clean source of power.



## PAEDIATRICS CANCER HOSPITAL

Bring colour into the building to brighten up sick children while being environmentally friendly and generating clean and free energy onsite.



# BB FIBERBETON GLASSFIBRE REINFORCED CONCRETE



## UNIQUE DESIGN WITH ENDLESS POSSIBILITIES

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Through design and manufacturing we help architects, entrepreneurs, and builders create unique, durable, and sustainable facades.

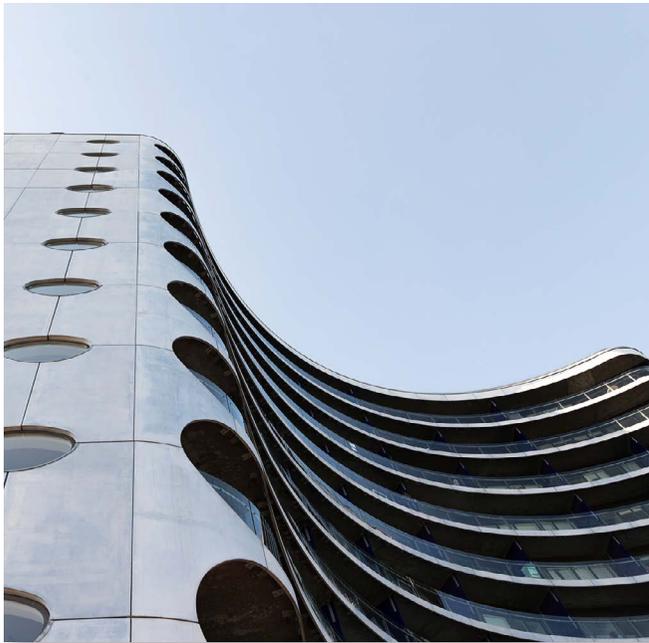
BB fiberbeton work with glassfibre reinforced concrete (GRC or GFRC) to produce durable, lightweight, and formable cladding. Design freedom when working with GRC offers versatility and endless possibilities.

GRC is a sustainable material with a durable lifespan of more than 100 years. Environmentally friendly production processes without toxic materials and a low consumption of energy is backed up by BBf's 2021 EPD (Environmental Product Declaration).

GRC is made up of white cement, fine aggregates and reinforced with glassfibres. GRC has a significantly higher flexural and tensile strength compared to traditional concrete. Elements are manufactured using a special spray-technique that allows for low water/cement-ratio, minimal thickness, and high strength properties. With long durability, lightweight, and great formability, GRC is suitable for both new constructions and renovation projects.

BB fiberbeton specializes in GRC and are one of the leading manufacturers worldwide. BB fiberbeton is as a Full Member of the international GRC association GRCA and the status as a Full Member entails a third-party validation regarding resources, equipment, and labour to consistently design and manufacture high quality products.

**BB fiberbeton**



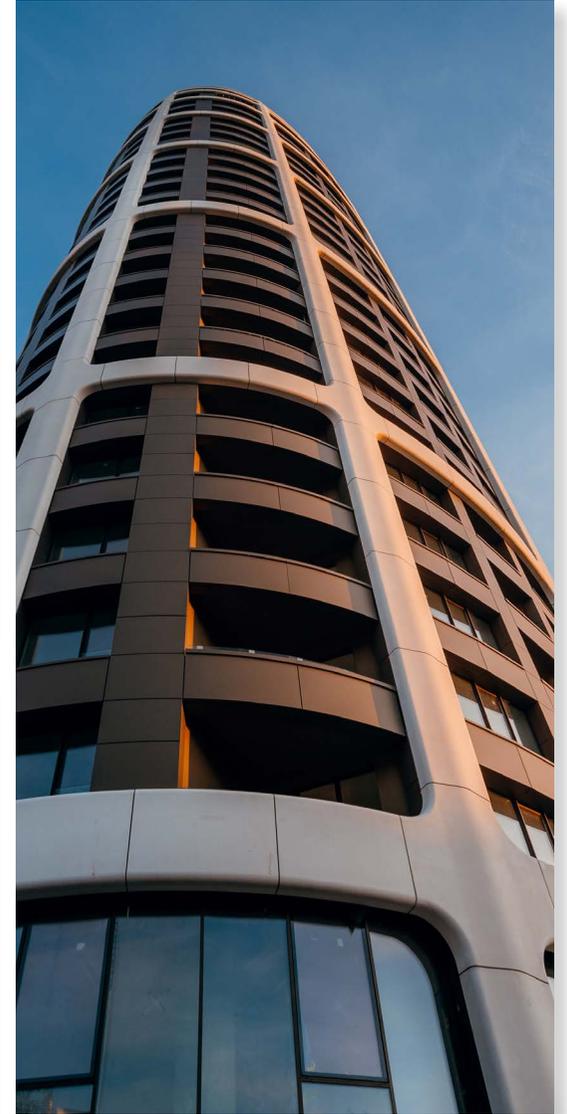
## FORMABLE DESIGN

GRC is an immensely formable and shapeable material, providing the freedom to design beautiful and exciting geometries.

GRC offers greater versatility due to its superior compressive and tensile strengths and its flexural properties.

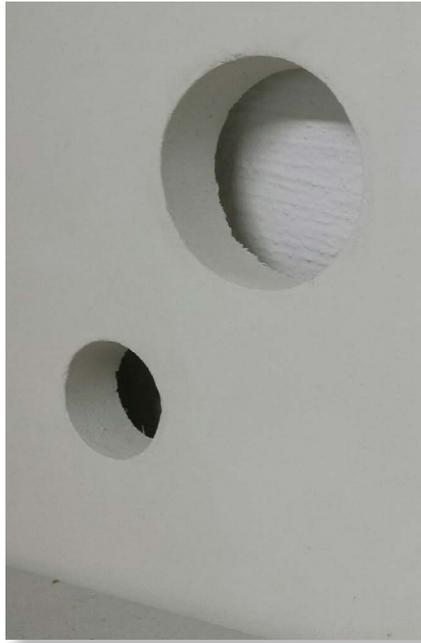
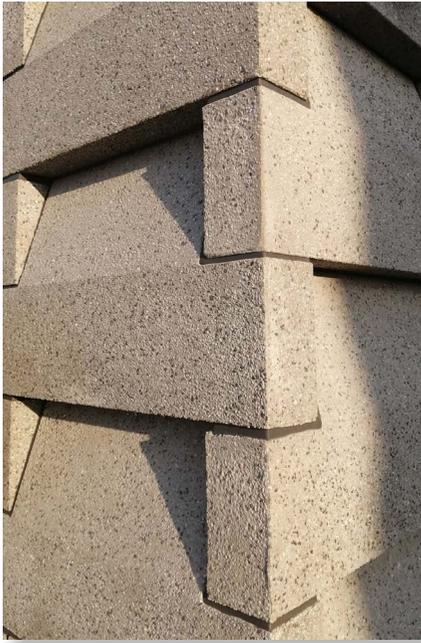
The formable and versatile properties of GRC makes it excellent for creating innovative and futuristic architectural designs while providing the possibility of recreating various style and designs needed for a restoration projects.





Architecture firm:  
Zaha Hadid Architects

Project:  
SkyPark, Slovakia



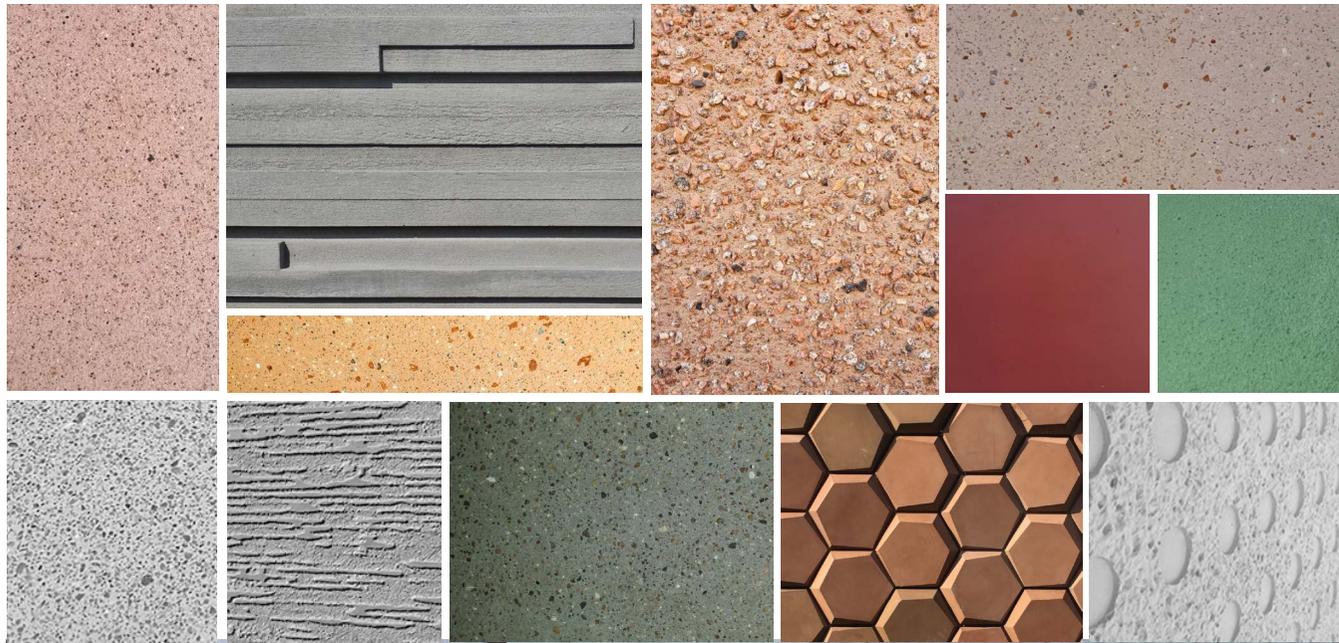
## SURFACES, TEXTURES & COLOURS

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- Coloured GRC
- Exposed aggregates
- Surface patterns

If you can imagine it...

We have an endless array of colour, surface and textures to suit.



# METZ Al3x ALUMINIUM SYSTEMS



## ALUMINIUM 101

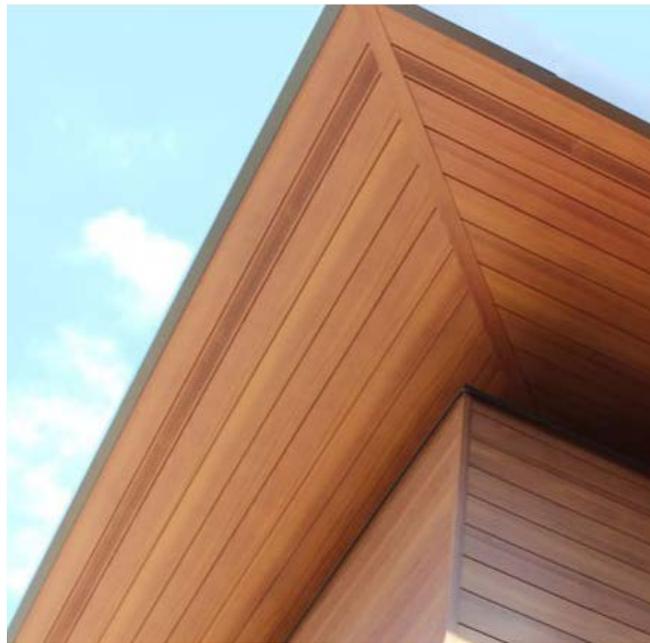
Symbol: Al  
Melting point: 660°C  
Density: 2.7 g/cm<sup>3</sup>  
Electron configuration: [Ne] 3s<sup>2</sup>3p<sup>1</sup>  
Atomic mass: 26.981539 u  
Atomic number: 13  
Discoverer: Hans Christian Ørsted

6000 Series – Alloys are combined with both magnesium and silicon (forming magnesium silicide) and are extremely common alloys for general purpose uses in a huge variety of industries such as construction, architecture, automobile and more. With above average strength, strong corrosion resistance and good machinability, materials in this series also respond well to heat-treatment and maintain their workability after tempering or annealing.

We offer locally extruded lower-carbon aluminium profiles ie. cladding, battens, special sections and facade feature systems for architectural applications. "Choosing lower-carbon aluminium can reduce the CO<sub>2</sub>e emission of your aluminium products by up to 50%"\*

\* Capral





## CLADDING & FACADE SYSTEMS

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- Al3x Clad 100 - 100mm wide cladding boards
- Al3x Clad 150 - 150mm wide cladding board
- Accessories and Trims
- Customised profiles and project specific sections

## BATTEN SYSTEMS

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- 2-piece snap on battens
- Easy installation
- Standard RHS, SHS, CHS etc.
- Elliptical Louvres
- Shading fins/elements
- Customised profiles and project specific sections





## STANDARD WOODGRAIN COLOURS

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These colours are our standard colours.

1. Flannel
2. Banksia
3. Saltbush
4. Eucalyptus
5. Boronia
6. Hakea
7. Waratah
8. Bottlebrush
9. Correa
10. Gynea

Customised colours available on request.



## SPECIAL TEXTURED COLOURS

Customised colours available on request.





## METZ SPECIALTY CERAMIC TILES

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Metz Specialty Ceramic Tiles is the ceramic tile division of Metz whose focus is importing and distributing quality European ceramic tiles across Australia. This division has showrooms in Perth, Melbourne, Brisbane & Sydney.

The tile division supplies specialist ceramic tiles for commercial kitchen flooring, aquatic centres and a broad range of slip resistant tiles suitable for many commercial applications, as well as beautiful, aesthetic and practical ceramic tiles.

## METZ SPECIALTY CONSTRUCTION MATERIALS

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Metz Specialty Construction Materials is the materials division of Metz which manufactures and supplies specialised materials for acid protection, industrial flooring, pool & kitchen tile fixing systems.

Metz can supply a large range of products which when combined, provide a fully warranted solution to any project.

## METZ PROJECT SERVICES

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Metz Project Services is our site installation division. Unlike most of our competition Metz is capable of supplying and installing all the materials we manufacture and/or import. This ability means we can either offer a unique supply and installation warranty, or we can offer unsurpassed practical technical support to other installers from experienced staff who have actually used our materials on site.

This ability also means that when supporting our products in Australia or overseas Metz staff have first hand knowledge of how our materials behave in the real world, not just in pristine laboratory conditions.

From minor repair work to major installation the Metz Project Services team has the capability to supply and install our products.



*Celebrating* 70 YEARS IN BUSINESS • 1953-2023

 **METZ**®

 QUALITY EUROPEAN TILES

## CONTACT US

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 1300 730 062

 [facades@metztiles.com.au](mailto:facades@metztiles.com.au)

 [metzfacades.com.au](http://metzfacades.com.au)

All sizes are nominal, please consult Metz for exact dimensions of available stock at time of ordering  
Minimum quantities may apply for other than the items shown  
Colour reproduction from printing is indicative only - please consult Metz for product samples

REV: 10/23