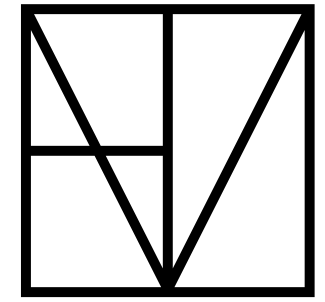
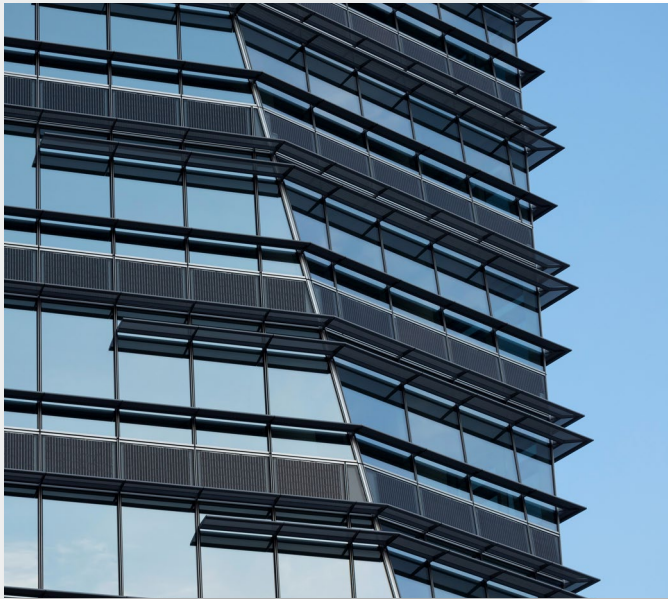


# FACADE SYSTEMS



**METZ**®



World renowned architectural  
facade products under one umbrella

**Presto**

Ceramic Facade Systems

**Onyx Solar**

Building Integrated Photovoltaics (BiPV)

**BB fiberbeton**

Glassfibre Reinforced Concrete (GRC)

**Al3x™**

Aluminium Systems



**PRESTO**  
CERAMIC FACADE SYSTEMS

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Ventilated facades  
Finishes  
Textures  
Colours



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

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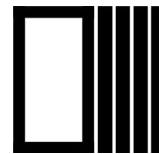
Double skin  
Curtain walls  
Skylights  
Louvres  
Walkable floor panels



**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 FACADES DIVISION**

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World renowned architectural facade  
products under one umbrella



# PRESTO CERAMIC FACADE SYSTEMS



## DESIGN

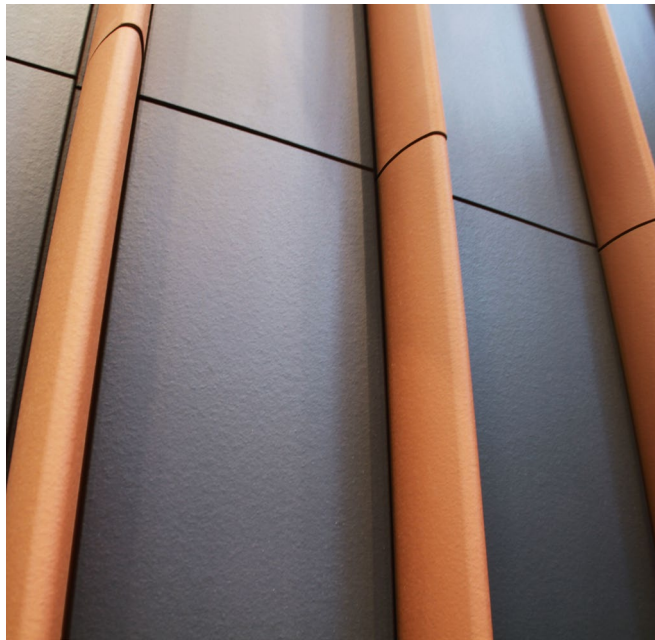
Presto Facades offer extruded ceramic panels that can provide variety in styles, shapes, profiles and colours.

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

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.

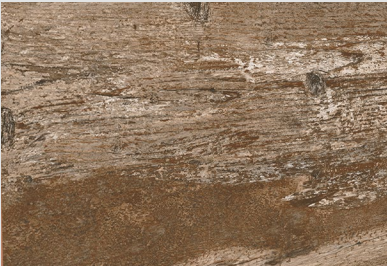
The system encompasses hidden fixing methods which are anchored to a substructure.



STONE look panels



TIMBER look panels



CEMENT look panels



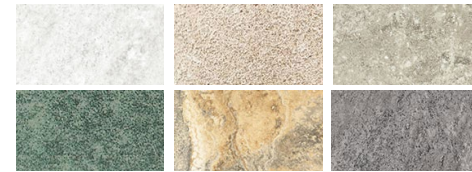
BRICKS & MORTAR look panels



PLAIN GLAZED



STONE



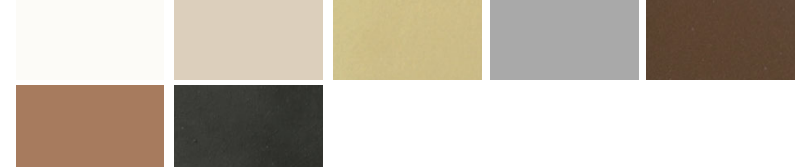
METALLIC



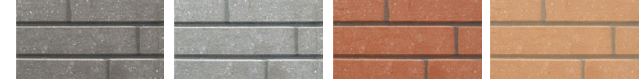
TIMBER



UNGLAZED



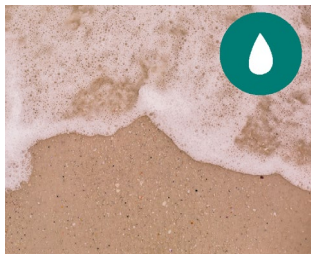
BRICK





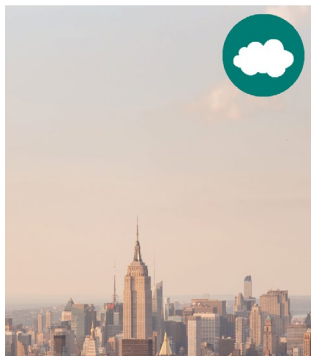
#### ANTIBACTERIAL (ISO 27447)

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

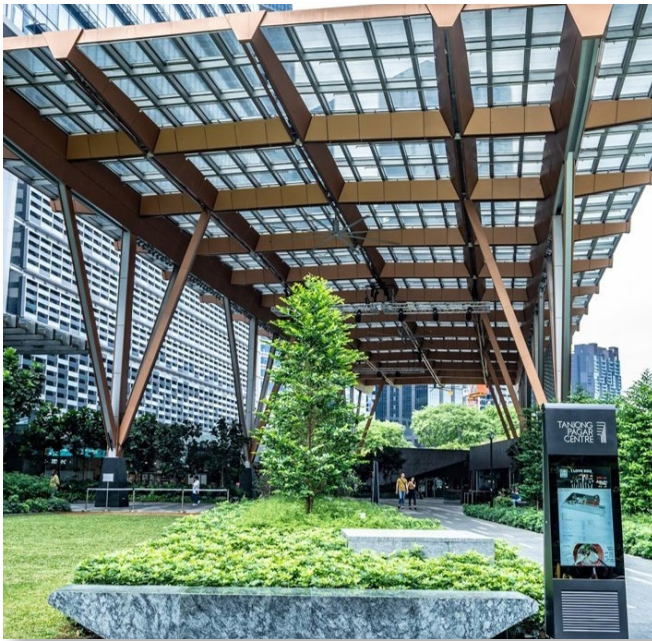


AESTHETIC



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

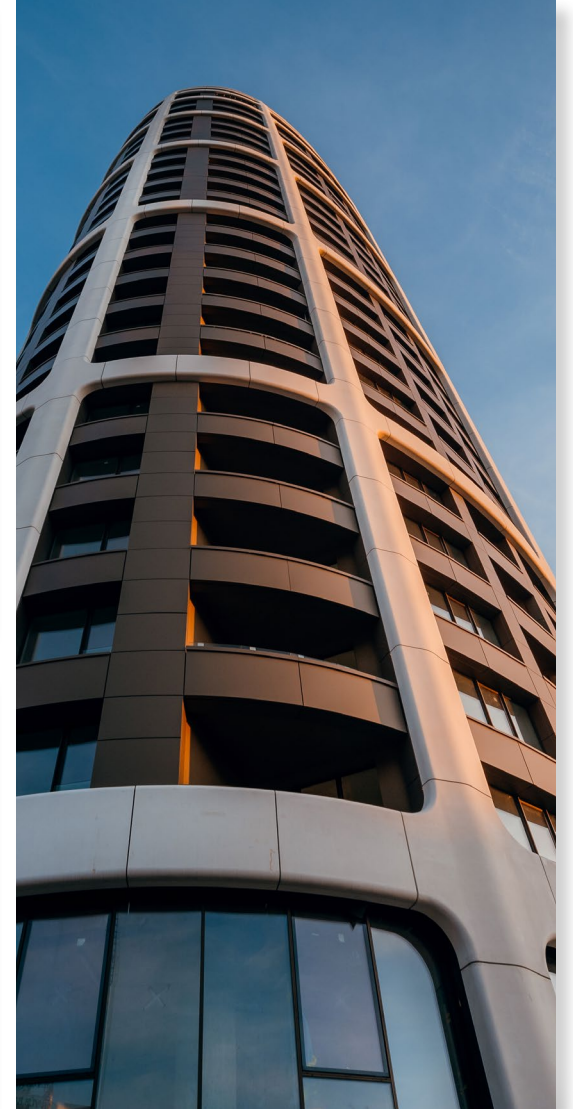
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GRC is an immensely formable and shapeable material, providing the freedom to design beautiful and exciting geometries.

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

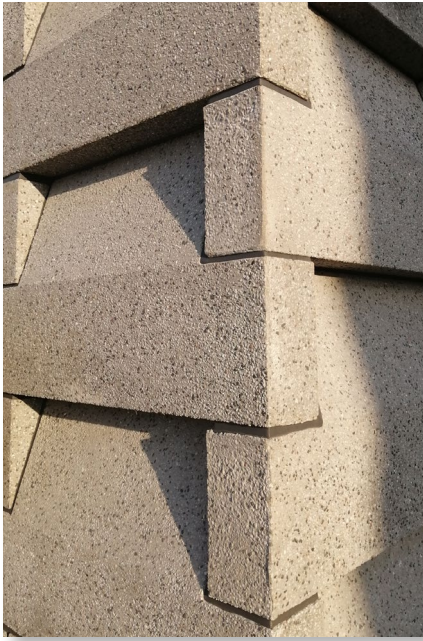
The formable and versatile properties of GRC makes it excellent for creating innovative and futuristic architectural designs while providing the possibility of recreating various style and designs needed for a restoration projects.





Architecture firm:  
Zaha Hadid Architects

Project:  
SkyPark, Slovakia



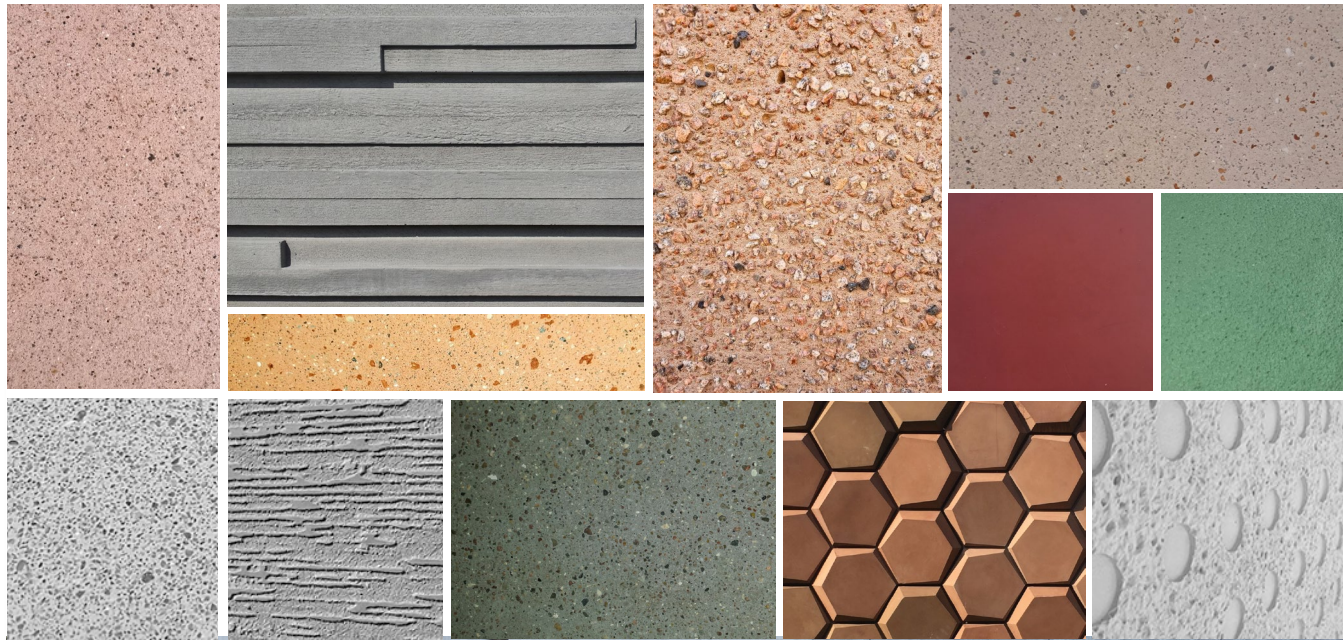
## SURFACES, TEXTURES & COLOURS

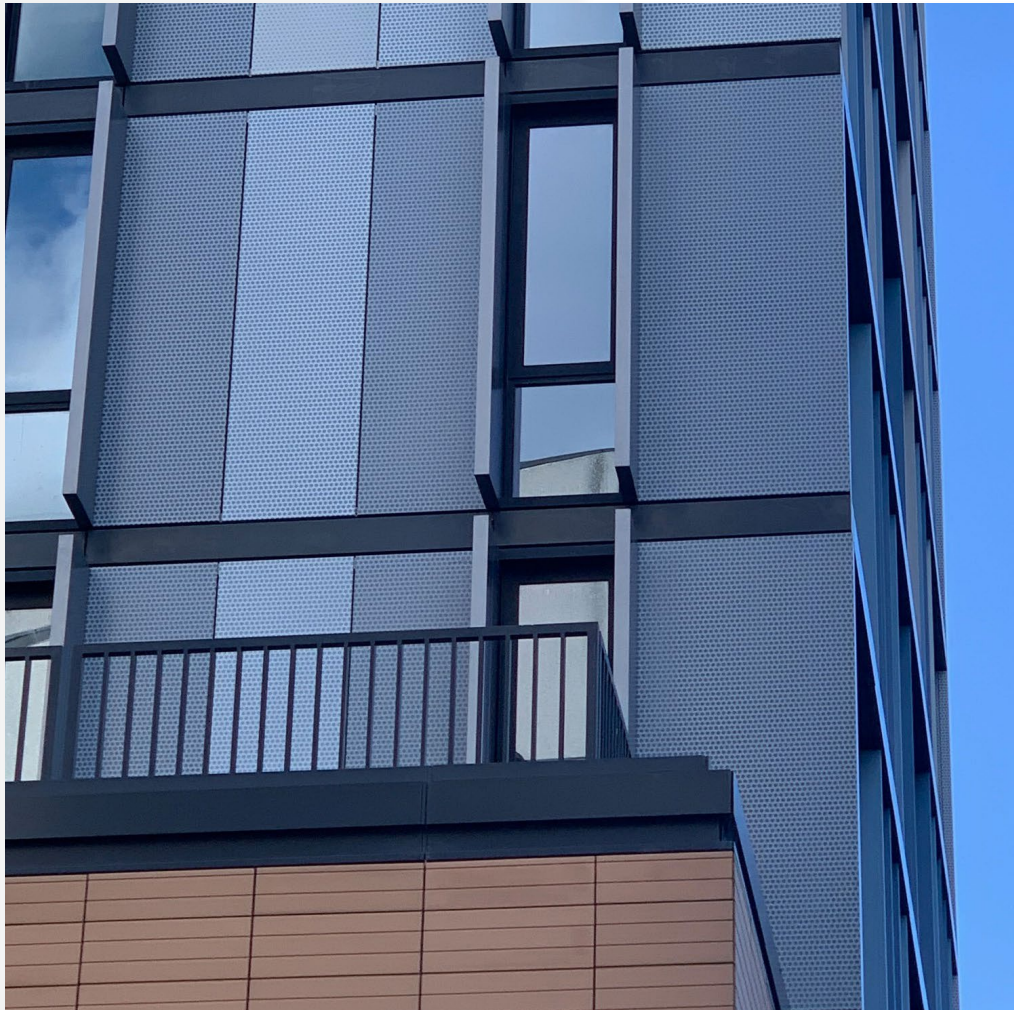
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- Coloured GRC
- Exposed aggregates
- Surface patterns

If you can imagine it...

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





## ALUMINIUM 101

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.

Aluminium is a versatile material that has been used in architecture for many years. It is strong, lightweight, and resistant to corrosion, making it ideal for use in a variety of applications. Aluminium can be formed into nearly any shape, which allows architects to create unique designs that are both functional and aesthetically pleasing. It is also endlessly recyclable, making it an environmentally friendly choice.

We offer locally extruded lower-carbon aluminium profiles ie. Cladding, battens, special sections and façade feature systems for architectural applications. "By choosing lower-carbon aluminium, your CO2e emissions can be significantly reduced, giving you a cleaner, greener choice of your aluminium."\*

Sourcing Capral's ASI-Certified aluminium produced in accordance with the ASI Performance Standard and ASI Chain of Custody Standard, demonstrates that the aluminium has been sourced and produced responsibly along the entire value chain.

Al3x™ Aluminium is tested to:  
AS1530.1, AS1530.3, AS4040.1, AS4040.2



\* Capral



# Cleaner, Greener, Lower-Carbon Aluminium for your project.

Introducing LocAl® —  
Locally extruded, lower-carbon aluminium.

**Aluminium is strong, lightweight and highly recyclable. But did you know that on average it takes 13.9 Kilograms CO2e to produce 1 Kilogram of primary aluminium?**

By choosing lower-carbon aluminium, CO2e emissions can be significantly reduced, giving you a cleaner, greener choice for your aluminium.

LocAl® Aluminium is locally extruded, lower-carbon aluminium for your projects in construction, engineering, marine, transport, defence, renewable energy or general fabrication industries.

## Locally extruded

Extruded in Australia by Capral Aluminium, Australia's largest aluminium extruder established in 1936. Capral is committed to Net Zero by 2050 and working actively on reducing Scope 1 and Scope 2 emissions.



## Low Carbon

Primary billet with certified CO2e content\* at or below:

- 8kg CO2e/1kg AL - LocAL Green
- 4kg CO2e/1kg AL - LocAL Super Green



## Aluminium

Capral Aluminium has been certified against the ASI Performance Standard V3 and Chain of Custody (CoC) V2 for the extrusion, warehousing and distribution of aluminium products and services.



\* Kilograms emitted per kilogram of aluminium produced - Aluminium Smelting and Casting





**When you choose LocAl® you are making a cleaner, greener choice for your project, potentially halving the carbon emissions of the aluminium used in your project.**



Certified CO2 Content  
8kg CO2e/1kg AL or below.  
ASI CoC smelter and extruder.



Certified CO2 Content  
4kg CO2e/1kg AL or below.  
ASI CoC smelter and extruder.

Global Average

13.9kg CO2e/1kg Al



8kg CO2e/1kg Al



4kg CO2e/1kg Al



On the path to a  
better tomorrow.



## Why Choose LocAl?

The carbon footprint of **LocAl® Green** is meaningfully lower than the global average for primary aluminium production\*. **LocAl® Super Green** boasts one of the lowest carbon emissions for primary aluminium currently available.

Reducing carbon emissions from your products is important because it **mitigates the effects of global climate change, improves public health, boosts the global economy, and maintains biodiversity.** When we cut carbon emissions, we help ensure cleaner air, water, and food for our generation and for generations yet to come.

Choosing to use LocAl® Aluminium as part of a responsible procurement strategy for your business will positively impact your organisation's environmental impact and our climate.

*\* Kilograms emitted per kilogram of aluminium produced - Aluminium Smelting and Casting*

**Find out more about LocAl® and choosing lower-carbon aluminium for your project, visit: [lowcarbonaluminium.com.au](http://lowcarbonaluminium.com.au)**

Metz sources ASI-Certified aluminium from Capral Aluminium for our products. ASI-certified aluminium means it is made following a comprehensive standard for governance, environment, and social performance.



## CLADDING & FACADE SYSTEMS

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- Al3x Clad 100 - 100mm wide cladding board
- 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



1

**Project:**  
Urban Nest Student Residential Apartment

**Builder:**  
Buildcorp

**Product(s) utilised:**  
Aluminium Casset System

**Finishes/coatings:**  
Custom Sublimation

1



2

**Project:**  
Inner Sydney High School

**Builder:**  
Hansen & Yuncken

**Product(s) utilised:**  
Al3x 7525 2-part Aluminium Battens

**Finishes/coatings:**  
Al3x Banksia



3

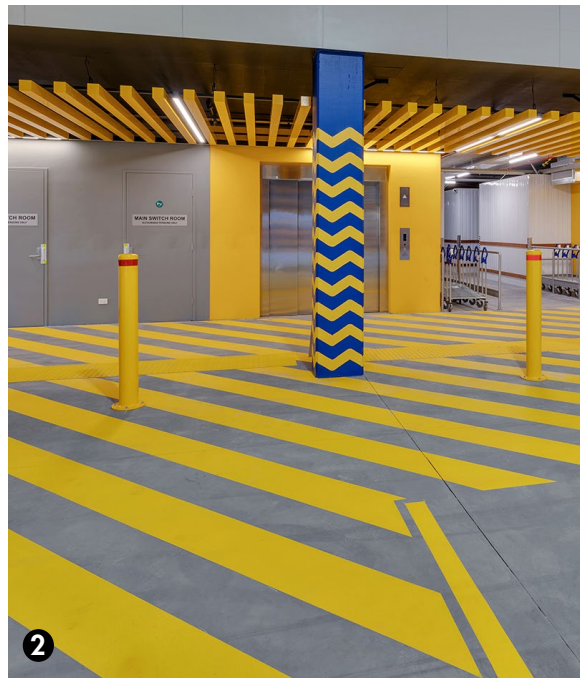
**Project:**  
Woolworths Moorebank Distribution Centre

**Builder:**  
Richard Crookes Constructions

**Product(s) utilised:**  
Al3x 5050 2-part Aluminium Battens

**Finishes/coatings:**  
Al3x Corraera





**1**

**Project:**  
Storage King, Gregorys Hill

**Builder:**  
Mainbrace

**Product(s) utilised:**  
Al3x 5025 2-part Batten

**Finishes/coatings:**  
Al3x Banksia

**2**

**Project:**  
Storage King, Gregorys Hill

**Builder:**  
Mainbrace

**Product(s) utilised:**  
100 x 100mm SHS Hollow Section

**Finishes/coatings:**  
Powder Coating Yellow Gold





## 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.

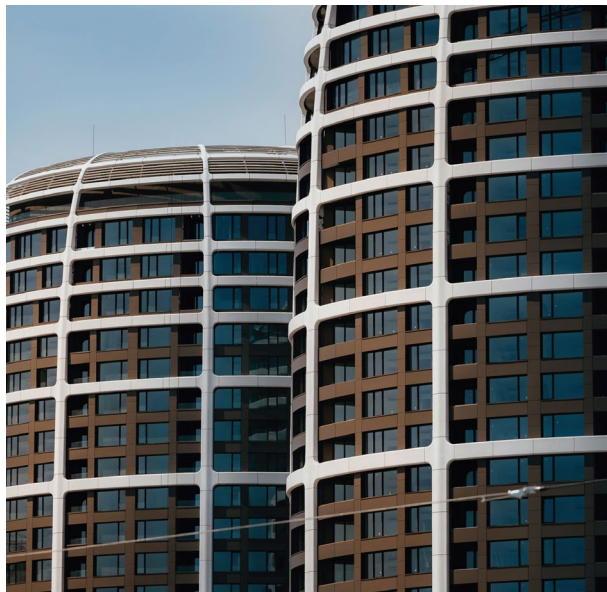
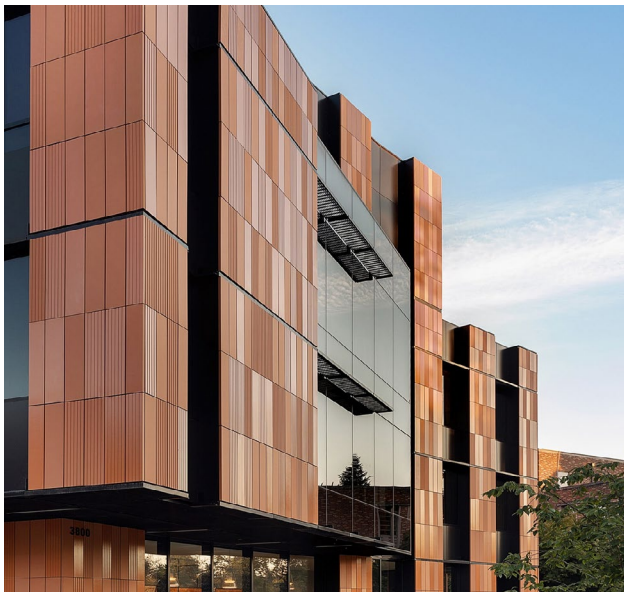
## METZ PROJECT SERVICES

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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.



**Metz facade products include:**

**Presto**

Ceramic Facade Systems

**Onyx Solar**

Building Integrated Photovoltaics (BiPV)

**BB fiberbeton**

Glassfibre Reinforced Concrete (GRC)

**Al3x**

Aluminium Systems



**CONTACT US**

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✉ [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

