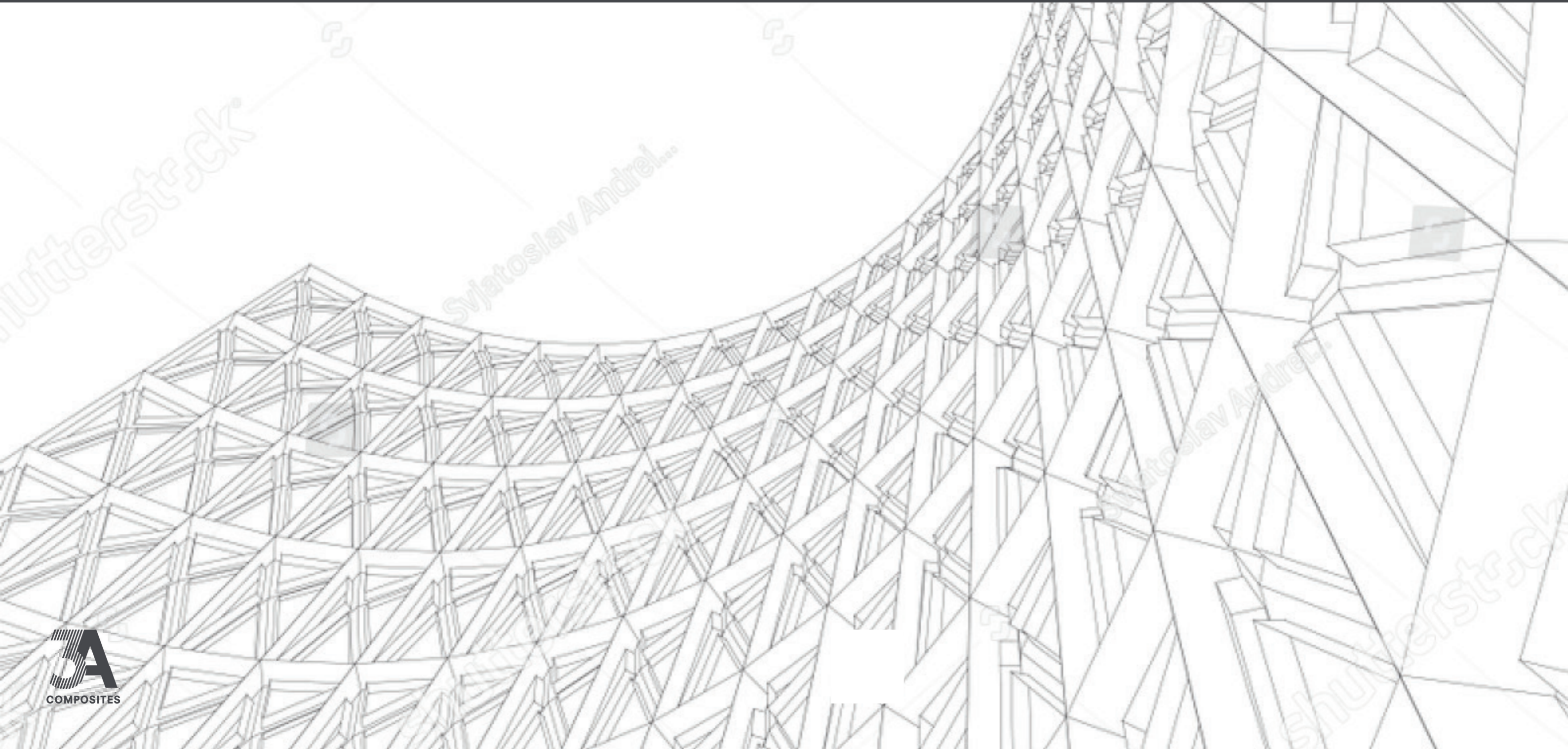




MATERIALS • SYSTEMS • SOLUTIONS

SPS Roofing and Building Materials Ltd t/a The Building Agency Ltd
14A Link Drive, Wairau Valley,
Auckland 0627
www.thebuildingagency.co.nz

ALUCOLUX®





Things you need to know about

ALUCOLUX®

1. Coil-coated panels
2. Made to Measure panels (M2M)
3. Ready to install panels (R2I)
4. Custom designed perforated panels in flat form or in ready to install form
5. Curved and folded panels based on design requirements

The Product

ALUCOLUX®

Coat first – Fabricate later

Traditionally, the solid aluminium panels used for cladding applications are done using the “post painted solution” - which means that a mill finish aluminium sheet is fabricated first and then it undergoes a batch coating process either through spray or powder coating.

Some of the common issues which are seen with these batch coating processes are:

- The coating is done under less controlled environment as opposed to a highly industrial coil coating process which leads to inconsistent thickness of the paint layer across the surface resulting in color inconsistencies on the panels.
- Due to higher thickness of paint on the surface when powder coated, the panels do not qualify as non-combustible panels and are classified as A2, as per EN 13501-1 test standard as opposed to A1, which most people assume for solid sheet in general.
- There are limitations on the variety of surface finishes that you can achieve with this process, thereby limiting designers to choose from a very few range of colors and finishes.
- Since there are 2-3 different parties involved in getting the final product ready, there is a split responsibility on the quality of the final product.

3A Composites, manufacturers of **ALUCOBOND®** and **ALUCORE®**, now offers coil-coated solid aluminium panels – **ALUCOLUX®** (2 coat/3 coat multi-bake system).

ALUCOLUX® provides a solution to all the problems that come from batch coated panels.

- Color consistency:
 - High quality PVDF/FEVE coating on a continuous coil-coating line which provides consistency of coating across the surface.
 - Coating process conforms to AAMA 2605 and ECCA guidelines.
- A non-combustible panel classified as A1, as per EN 13501-1.
- **ALUCOLUX®** comes in all the surface finishes you have seen and used from **ALUCOBOND®**, giving you a large variety of surface finishes to choose from.
- Perfect flatness on the facade:
 - **ALUCOLUX®** comes in 5xxx or 3xxx series alloy.
 - As with **ALUCOBOND®**, and as part of our value added service offering, fabrication of panels can be done in-house at our manufacturing plants. This would ensure high quality of fabrication and accessories used, thereby no compromise on aesthetics and at the same time eliminating any chances of errors.
- Shapes and curves: with **ALUCOLUX®**'s value added services you can achieve designs you did not think were possible.
- Technical support: with **ALUCOLUX®** you will get support from our **ALUCOBOND®** team in recommending and designing of appropriate fixing systems or any other assistance required.
- Warranty: **ALUCOLUX®** comes with a 15 year warranty, directly from the makers of **ALUCOBOND®**.

SURFACES & FINISHES

Solid Colours



Black | 326

Anthrazit grey | 105

Fashion grey | 460

Light grey | 104



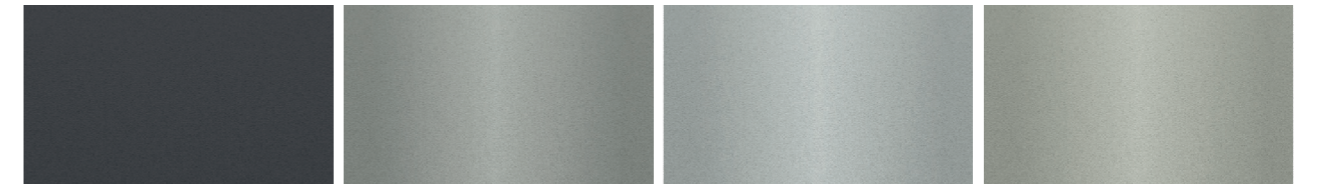
Biege | 103

Cream | 102

Pure White 10 | 100

White 16 | 101

Metallic Colours



Dark grey metallic | 505

Smoke silver
metallic | 501

Silver metallic | 500

Champagne metallic | 503

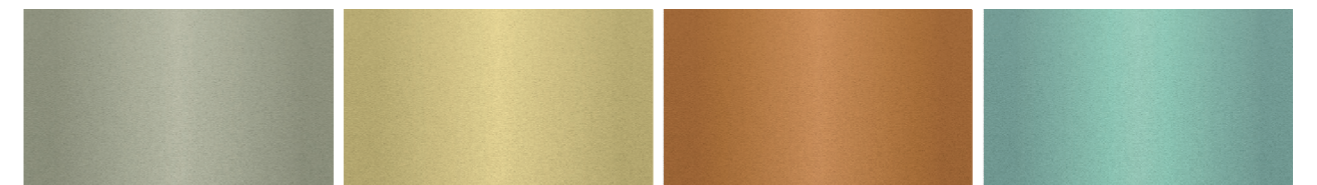


Grey metallic | 502

Grey blue metallic | 603

Sunrise silver
metallic | 600

Brilliant metallic | 602



Bronze metallic | 504

Daytona gold | 8703

Nevada copper | 8705

Jade green
metallic | 9329Classic bronze
metallic | 9604

Gold metallic | 601

Copper metallic | 8704

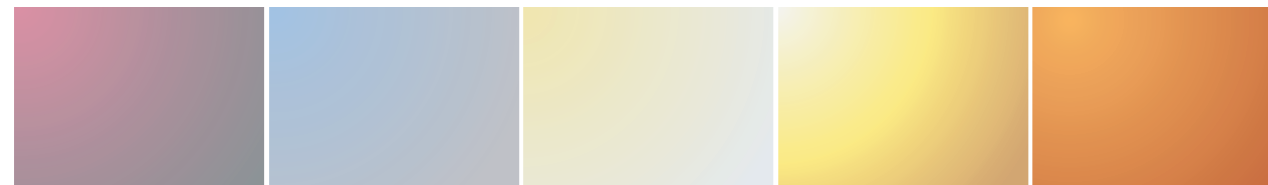
Seafoam green
metallic | 604

Anonized Look



Anonized Look Satin Brown
Anonized Look C34
Anonized Look C32
Anonized Look C3/EVI
Anonized Look C31

Spectra



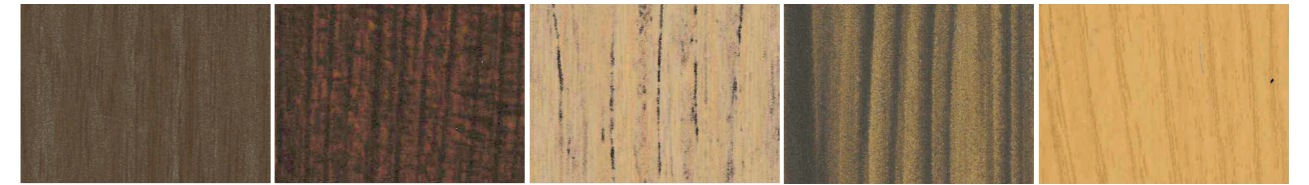
Sakura | 917 **Galaxy blue** | 918 **White gold** | 919 **Desert gold** | 921 **Cupral** | 913

naturAL

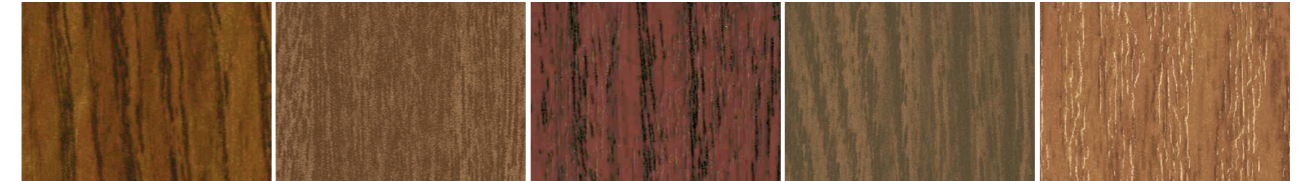


naturAL ZINC | 413 **naturAL HAVANNA** | 432 **natuAL COPPER** | 434 **naturAL MANHATTAN** | 437

Wood Look

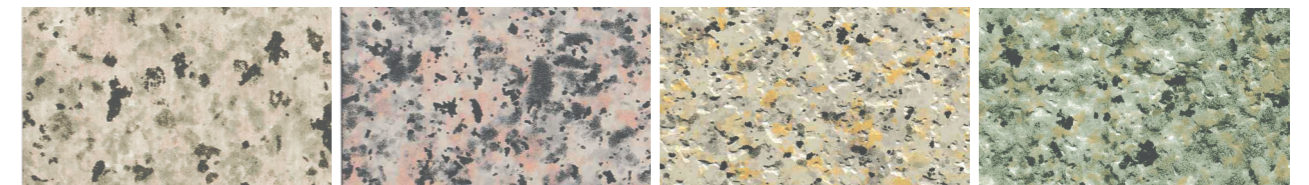


A2001 **A2002** **A2003** **A2004** **A2005**

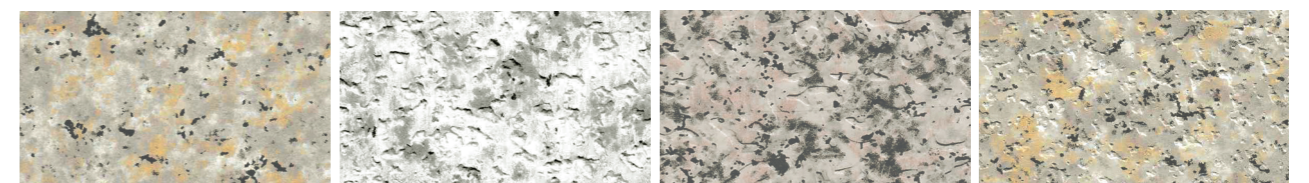


A2006 **A2007** **A2008** **A2009** **A2011**

Stone Look

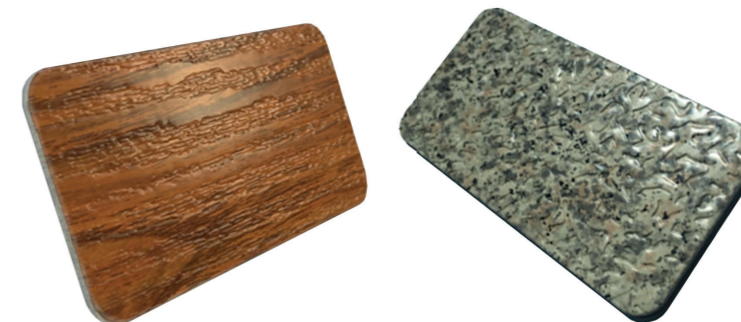


A1001 **A1002** **A1003** **A1004**



A1005 **A1006** **A1007** **A1008**

Embossed Look



With our advanced embossing technology, we can actually do very unique patterns on the pre coated surface of **ALUCOLUX®** (6 coats system). Embossed surfaces available on request.

MADE TO MEASURE (M2M) & READY TO INSTALL (R2I)

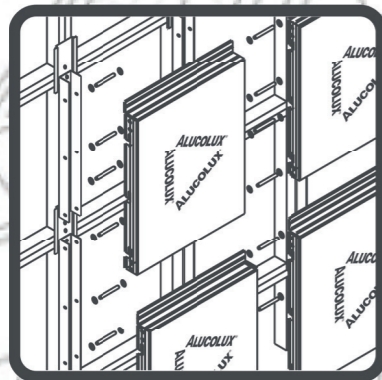
- M2M panels which comes in flat panel form can be folded and fixed on site.
- R2I panels which comes in a folded cassette form already fixed with accessories and can go directly to the job site to be installed.
- Both M2M and R2I options are available in perforated and non-perforated panels.
- 3D, Curved, or folded panels can be made based on customer's design requirements.

Below are some examples of how **ALUCOLUX®** can be fabricated at our plant, thereby providing savings on wastages and reducing the overall cost for the project.

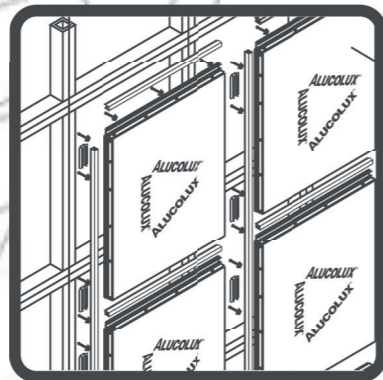


RECOMMENDED STANDARD FIXING SYSTEMS

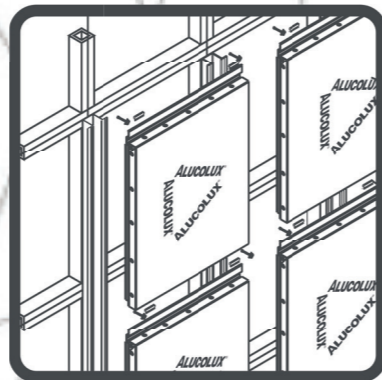
Hook-on Bolt



Tray Panel



SZ 20



TECHNICAL DATA

Technical Properties	Standards	ALUCOLUX®	
Alloy	EN 573-3	5005	3003
Temper	EN 515	H32	H24
Standard Thickness*		3mm (Tolerance +/- 0.15mm)	3mm (Tolerance +/- 0.15mm)
Standard Widths**		1000mm, 1250mm, 1500mm	1000mm, 1250mm, 1500mm
Standard Length		< /=6000mm (Tolerance +/-6mm)	< /=6000mm (Tolerance +/-6mm)
Panel Weight		8.1 Kg/m ²	8.1 Kg/m ²
Tensile Strength	EN 485-2	140-180 Mpa	165-185 Mpa
Elongation	EN 485-2	A ₅₀ ≥ 9%	A ₅₀ ≥ 9%
Linear Expansion	EN 1999 1-1	2.4 mm/m at 100° C temperature difference	2.4 mm/m at 100° C temperature difference
Coating System		PVDF/FEVE	PVDF/FEVE
Gloss	EN 13523-2	30-80%	30-80%
Pencil Hardness	EN 13523-4	HB-F	HB-F
Coating Thickness***		28-45 microns	28-45 microns
Fire Classification	EN 13501-1	A1	A1

* Other thickness available on request

** Custom widths available on request

*** Coating thicknesses varies for different surface finishes