



Reflection. **Vision.** Innovation.





Zenolite is a vision of innovation and reflection - in one.

Zenolite optical polymer wall panels bring life, colour and style to any vertical surface.

For architects, designers and builders looking to implement a stylish and incredibly durable look for any residential or commercial project, Zenolite is the perfect innovation.

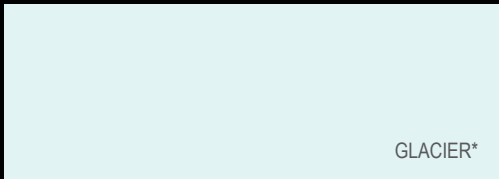
Far lighter and stronger than glass, and with a 10-year indoor UV warranty, it's the perfect innovation for your next creative project.

Coming in a range of colours and panel sizes Zenolite is a true reflection of great design and innovation for designers, architects and builders with vision.

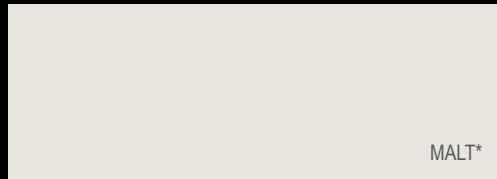


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100% Australian owned & made



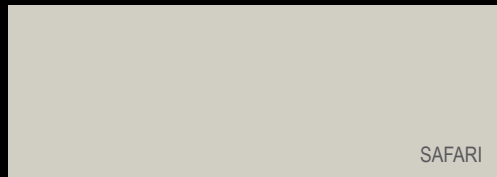
GLACIER*



MALT*



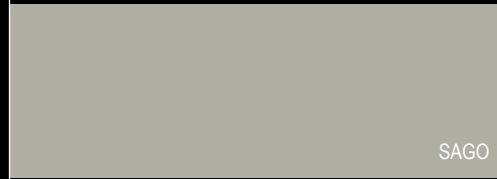
FOREST



SAFARI



earthen **organic** delicate **fresh**



SAGO



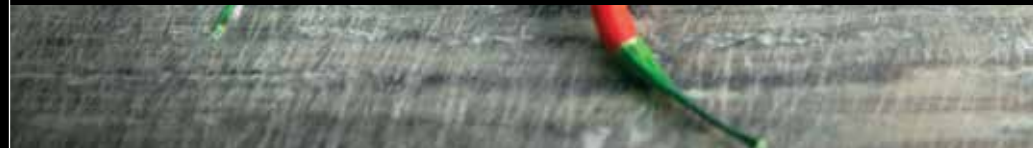
ZEST



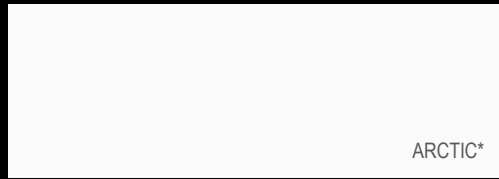
MACCHIATO*



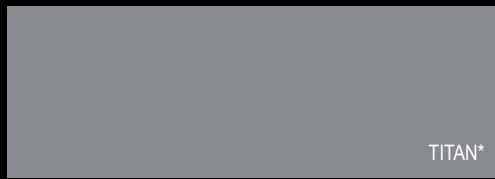
ROUGE*



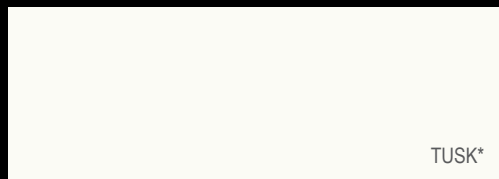
spicy **vibrant** adventure **wild** invigorate



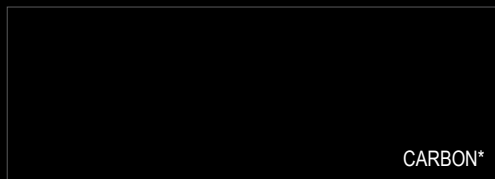
ARCTIC*



TITAN*



TUSK*



CARBON*



industrial **cool** textural **mechanical**



BRUSHED GOLD



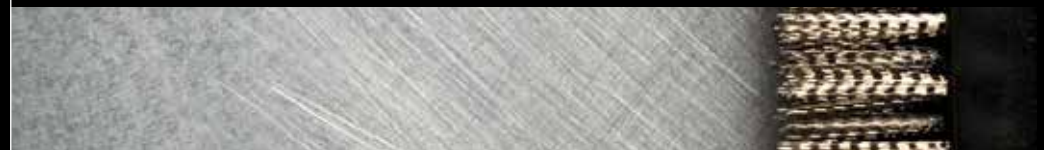
BLACK NICKEL



TITANIUM



PEWTER



essentials **sophisticated** foundation **pragmatic**



MAGNESIUM



COCO ELM



COPPER



EBONWOOD



provincial **sensual** rich **aromatic** robust

Sheet sizes

Zenolite

3620mm x 1220mm x 6mm thick

2700mm x 1220mm x 6mm thick

2440mm x 1220mm x 6mm thick

2440mm x 1220mm x 4mm thick

Zenolite Hard Coated (HC)

2440mm x 1220mm x 4mm thick

Edge Finishing and joining

Zenolite can be finished using a variety of aluminium edge extrusions. There are five profiles each supplied in 2500mm (98") lengths.

ZNEX0001

Outer Quad Corner

ZNEX0002

Internal Quad Corner

ZNEX0003

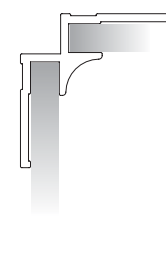
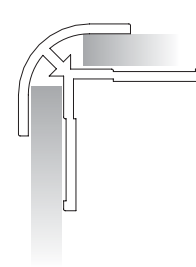
Straight Joiner

ZNEX0004

Square Edge Cap

ZNEX0005

Quad Edge Cap

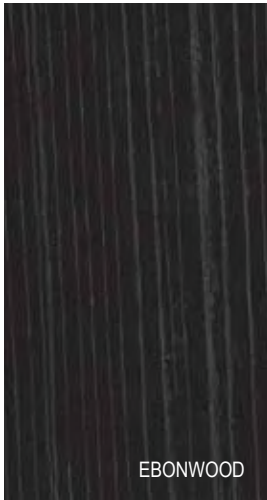


Colours

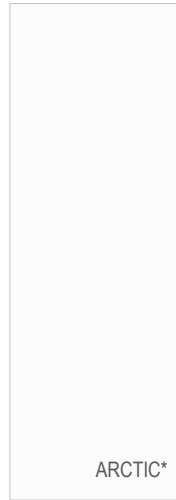
Zenolite wall panels come in a range of colours to meet the changing environments. Bold, neutral, calming and chic - there is a colour to suit every application.

*denotes also available in Zenolite Hard Coated (HC)

COLOUR SOLUTIONS



EBONWOOD

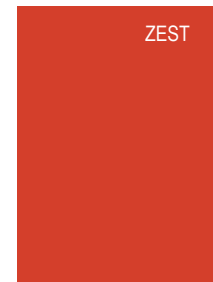


ARCTIC*



INFRASTRUCTURE

Large commercial projects have ongoing requirements for high quality wall panel products. Zenolite is ideal for bending. It's strong and light weight, making it easy to work with, has low relative cost, and is easy to maintain. Zenolite is the key product for this expanding industry.



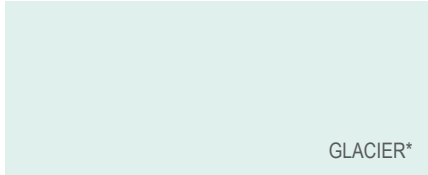
ZEST



SAFARI



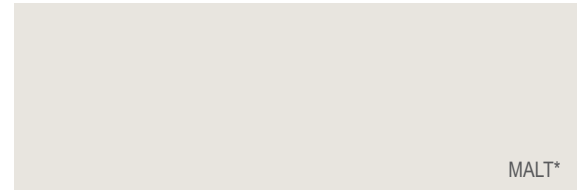
FOREST



GLACIER*



BRUSHED GOLD

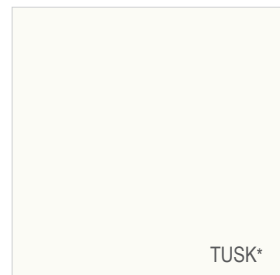
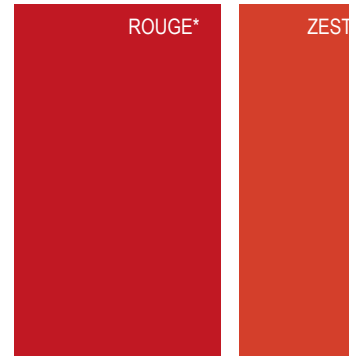


MALT*

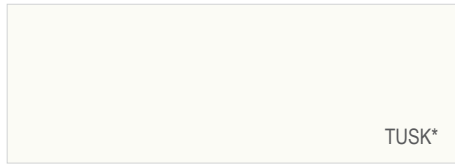
Pleasing to the eye and the palette is fundamental in any establishment. The surroundings need to emphasise the cuisine, whilst the menu relies on the decor to provide a canvas on which it is viewed. The restaurant industry is dominated by subtlety and the Zenolite range can be both subdued and brilliant in its gloss and colour.

HOSPITALITY

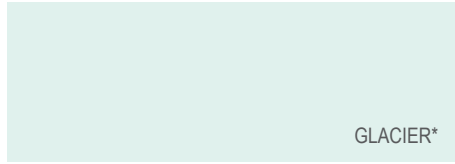
RETAIL



Aesthetically pleasing colours add value to any retail outlet. Zenolite wall panels enhance a product's exposure and brand image by setting a clean, crisp background for all forms of merchandising. The retail and shop fit environment demand quick, easy installs with products that are of low maintenance. In a great range of colours, Zenolite panels make the right statement to your customers.



TUSK*



GLACIER*



SAGO

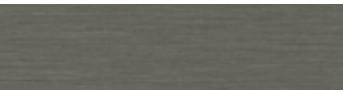
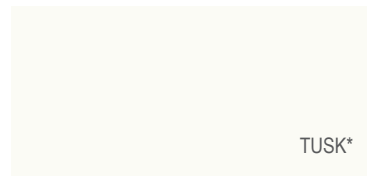
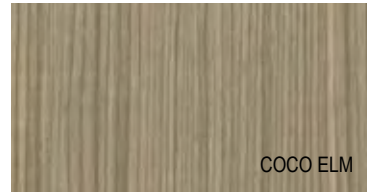


BLACK NICKEL



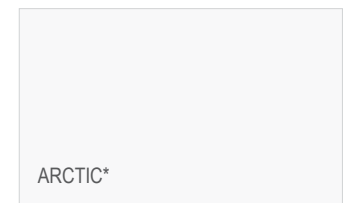
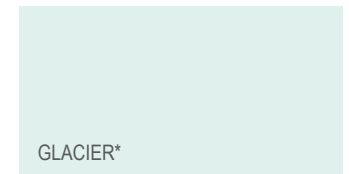
CORPORATE FIT OUT

Open spaces, modular partitions and walls all lend themselves to a gloss product that's low maintenance, light, easy to clean and install. Zenolite takes advantage of the move to high gloss in the corporate world and is suitable for large and small corporate spaces. Zenolite panels are quick and easy to install and even easier to maintain.



RESIDENTIAL

Zenolite gives the power to design. Zenolite high gloss wall panels provide a level of elegance in hallways, bedrooms, media rooms, kitchens and bathrooms. Use neutrals to create a calming environment or seasonal splashes of colour to invigorate any space. Zenolite wall panels promote a hygienic surface, ensuring an easy-to-clean space.





ZENOLITE PANEL PROPERTIES

METRIC

IMPERIAL

GENERAL PROPERTIES

Specific Gravity	ASTM D-792	1.19	1.19
Water Absorption	ASTM D-570	< 0.5%	< 0.5%
Gloss	AS/NZS 1580.602	> 80 %	> 80%

DIMENSIONS

Diagonal Difference	< 4mm	< 0.16in
Thickness	6mm	1/4in

MASS

7.14 kg / SQ M	1.4 lbs / SQ Ft
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MECHANICAL PROPERTIES

Tensile Strength, Max.	ASTM D-638	70 MPa	10,000 psi
Elongation at Break	ASTM D-638	4 %	4%
Tensile Modulus	ASTM D-638	3000 MPa	435,000 psi
Flexural Strength	ASTM D-790	100 MPa	15,000 psi
Flexural Modulus	ASTM D-790	3000 MPa	435,000 psi
Izod Impact Strength, Milled Notch	ASTM D-256	15 J/m	0.28ft./lbs.in
Abrasion (Taber, 10 rots. CS10F 500g)	ASTM D-1044	11% Haze	11% Haze
Pencil Hardness	ASTM D-3363	4 H	4 H
Thermal expansion and contraction		0.7mm/1000mm/10°C	43thou/36"/30°F

THERMAL PROPERTIES

HDT, 264psi, 1.82MPa	ASTM D-648	96°C	203°F
CTE, -30 to 30C	ASTM D-696	7mm/(mm.°C)x10 ⁻⁵	4in/(in.°F)x10 ⁻⁵
Continuous service temperature		77°C	170°F
Max temperature, Short term		95°C	202°F
Degradation Temperature		> 275°C	> 530°F

FIRE BEHAVIOUR

Flame Spread	ASTM E84	130*	130*
Australia BCA 2006	AS/NZS 13837:1998	Rating 4	-
U.K.	BS476	Rating 4	-
U.S.A.	UL94	-	HB
Europe	EN 13501	Class E	-

CHEMICAL RESISTANCE

Kerosene	No Effect	No Effect
Mineral Turpentine	No Effect	No Effect
10% Citric Acid	No Effect	No Effect



ALLPLASTICS ENGINEERING PTY LTD

Unit 20, 380 Eastern Valley Way
CHATSWOOD NSW 2067

P: (02) 8038 2000 F: (02) 9417 6169
Email: sales@allplastics.com.au

Web: www.allplastics.com.au

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THE POWER TO INSPIRE

ZENOLITE

THE NEXT-GENERATION HIGH
GLOSS PANEL, IN A RANGE
TO SUIT ANY APPLICATION





Zenolite® is a next-generation high gloss wall panel. Vivid, lightweight and stronger than glass, it's a sophisticated solution that improves any room. Designed and manufactured in Australia, it's suitable for both residential and commercial applications.

FEATURES

Zenolite is made from two layers of acrylic, co-extruded into a single sheet. A vibrant colour layer is capped with a stunningly clear top layer to create a panel of incredible depth, gloss, and clarity.

- Lightweight and easy to handle, Zenolite can be installed rapidly over new or existing wall finishes, and comes in a range of convenient panel sizes.

- Zenolite can be fabricated on-site with standard woodworking tools, and installs using double-sided tape and neutral cure silicone.
- Zenolite's non-stick surface will not harbour mould, soap or calcium buildup therefore making it easy to clean using just warm soapy water and a microfibre cloth.
- All Zenolite has a 10 year indoor UV warranty.

PANEL SIZES

- 3620 x 1220 x 6mm
- 2700 x 1220 x 6mm
- 2440 x 1220 x 6mm
- 2440 x 1220 x 4mm
- 2440 x 1220 x 4mm (Hard Coated)

Other sizes and colours available on application, and subject to minimum order quantities.

Please visit allplastics.com.au for more information.



Zenolite is available in a wide range of colours, and is suitable for a multitude of applications – from kitchen splashbacks and feature walls, to entire hotel foyers. It can also bend to form gentle curves.



Zenolite HC is a Hard Coated version of Zenolite. It's designed to accommodate more demanding environments, including bathrooms and shower walls, high-traffic areas, and public amenities.



Zenolite LE is the special Luxury Edition of Zenolite. Incorporating a range of designer textures, including metallics, minerals and woodgrains, it combines the beauty of exotic materials with the practicality of Zenolite.

ZENOLITE		* Also available in HC	ZENOLITE LE	
Glacier*	Forest	Brushed Gold	Copper	
Arctic*	Macchiato*	Pewter	Magnesium	
Tusk*	Titan*	Titanium		
Malt*	Carbon*	Black Nickel		
Safari	Zest	Coco Elm		
Sago	Rouge*	Ebonwood		



allplastics.com.au



ALLPLASTICS
ARCHITECTURAL & BUILDING

ALLPLASTICS ENGINEERING PTY LTD

Unit 20, 380 Eastern Valley Way
CHATSWOOD NSW 2067

P: (02) 8038 2000 F: (02) 9417 6169
Email: sales@allplastics.com.au

Web: www.allplastics.com.au



PANEL PROPERTIES



Zenolite® is a next-generation high gloss wall panel. Vivid, lightweight and stronger than glass, it's a sophisticated solution that improves any room. Designed and manufactured in Australia, it's suitable for both residential and commercial applications.

Zenolite is available in a wide range of colours, and is suitable for a multitude of applications – from kitchen splashbacks and feature walls, to entire hotel foyers. It can also bend to form gentle curves.

ALSO AVAILABLE:



Zenolite HC is a Hard Coated version of Zenolite. It's designed to accommodate more demanding environments, including bathrooms and shower walls, high-traffic areas, and public amenities.



Zenolite LE is the special Luxury Edition of Zenolite. Incorporating a range of designer patterns, including metallics and woodgrains, it combines the beauty of exotic materials with the practicality of Zenolite.



ZENOLITE® PANEL PROPERTIES

ZENOLITE® PANEL PROPERTIES	Test Method	Result
GENERAL PROPERTIES		
Specific Gravity	ASTM D-792	1.19
Water Absorption	ASTM D-570	<0.5%
Gloss	AS/NZS 1580.602	>80%

MECHANICAL PROPERTIES			
Tensile Strength, Max.	ASTM D-638	70 MPa	(10,000 psi)
Elongation at Break	ASTM D-638	4%	
Tensile Modulus	ASTM D-638	3,000 MPa	(435,000 psi)
Flexural Strength	ASTM D-790	100 MPa	(15,000 psi)
Flexural Modulus	ASTM D-790	3,000 MPa	(435,000 psi)
Izod Impact Strength, Milled Notch	ASTM D-256	15 J/m	(0.28 ft-lb/in)
Pencil Hardness	ASTM D-3363	4H	

THERMAL PROPERTIES			
HDT, 264 psi, 1.82 MPa	ASTM D-648	96°C	(203°F)
CTE, -30°C to 30°C	ASTM D-696	7 x 10 ⁻⁵ mm/(mm.°C)	(4 x 10 ⁻⁵ in/(in.°F))
Continuous Service Temperature		77°C	(170°F)
Max temperature, Short Term		95°C	(202°F)
Degradation Temperature		>275°C	(>530°F)

FIRE BEHAVIOUR		
Flame Spread Index	ASTM E84	130*
Australia BCA 2006	AS/NZS 13837:1998	Rating 4
U.K.	BS476	Rating 4
U.S.A.	UL94	HB
Europe	EN 13501	Class E

ZENOLITE® CHEMICAL RESISTANCE

Kerosene	No Effect	Shampoo – Pantene®	No Effect
Mineral Turpentine	No Effect	Mouthwash – Listerine®	No Effect
Hot Sodium Hydroxide Solution	No Effect	Toothpaste – Macleans®	No Effect
General Cleaner – Easy-Off BAM®	No Effect	10% Citric Acid	No Effect
General Cleaner – Spray n' Wipe®	No Effect	Hot Tomato Sauce	No Effect
General Cleaner – Cloudy Ammonia	No Effect	Lemon Juice	No Effect
Bleach – White King®	No Effect	Hot Coffee	No Effect
Bleach – Domestos®	No Effect	Vinegar	No Effect
Glass Cleaner – Windex®	No Effect	Cleaning Cream – Jif	Mild Effect
Fragrance Spray – Air Wick®	No Effect	Isopropyl Alcohol	Severe Damage
Shower Gel – Health Basics®	No Effect	Acetone	Severe Damage

* As tested by Bodycote – Report 08-002-719.