



Reflection. **Vision.** Innovation.



zenolite.com

Reflection Vision Innovation

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 and exported globally, Zenolite is suitable for both residential and commercial applications.



Features

Zenolite is made from two layers of acrylic, co-extruded into a single sheet. A vibrant color 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. It can also be cold bent to form gentle curves.
- Zenolite can be fabricated on-site with standard woodworking tools, and installs using double-sided tape and neutral cure silicone.
- Zenolite's surface will not harbor mold or bacteria, therefore making it easy to clean using just warm soapy water and a microfiber cloth.

Infrastructure



Large commercial projects have ongoing requirements for high quality wall panel products. Zenolite is strong and lightweight, making it easy to work with. It's also simple to maintain and has low installation cost.



zenolite.com
100% Australian owned & made



Corporate Fit Out



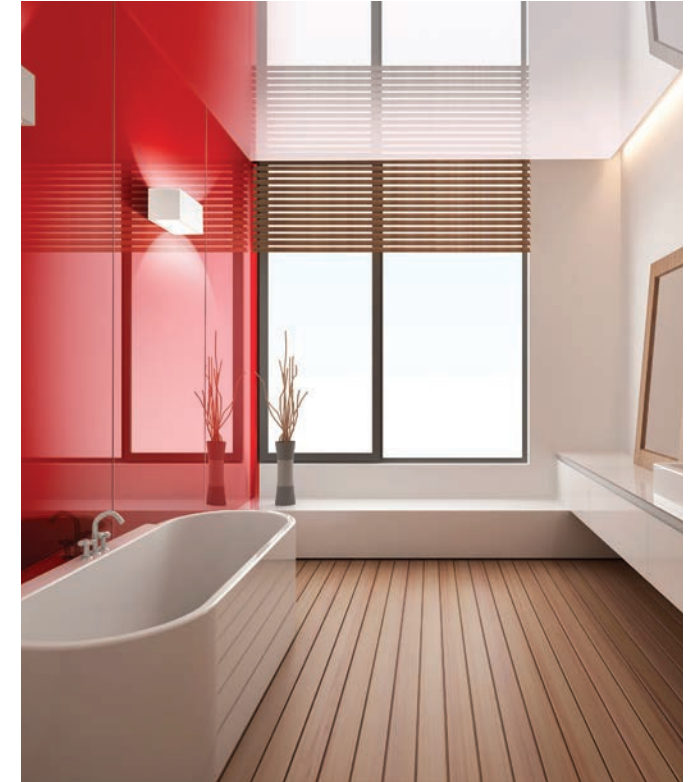
Zenolite is ideal for the move to high gloss finishes in the corporate world. Zenolite panels are suitable for large and small corporate spaces. They are quick and easy to install and even easier to maintain.

Retail and Hospitality



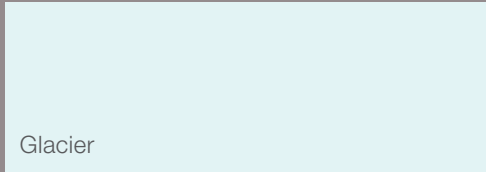
Aesthetically pleasing colors and flawless finish add value to any retail outlet. Zenolite wall panels enhance any product's exposure by setting a clean, crisp background for all forms of merchandising.

Residential

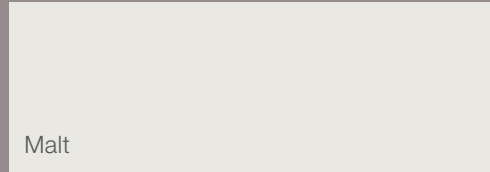


Zenolite gives the power to design contemporary and functional spaces. Zenolite high gloss wall panels provide an unsurpassed level of elegance in hallways, bedrooms, media rooms, kitchens and bathrooms.

Note - Zenolite HC is available for bathroom applications



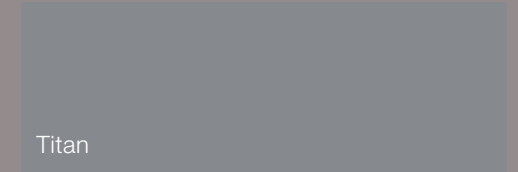
Glacier



Malt



Arctic



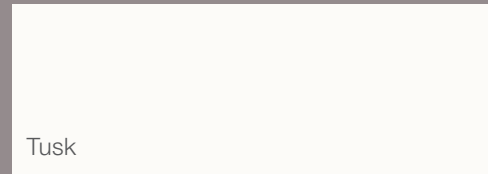
Titan



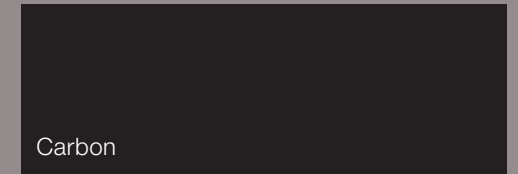
Forest



Safari



Tusk



Carbon



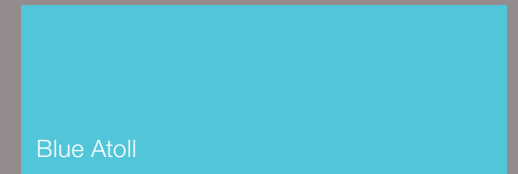
Sago



Zest



Olive



Blue Atoll



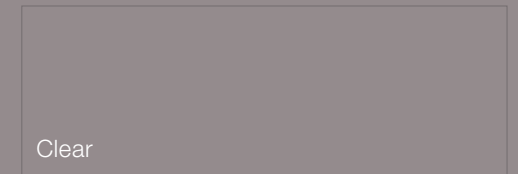
Machiato



Rouge

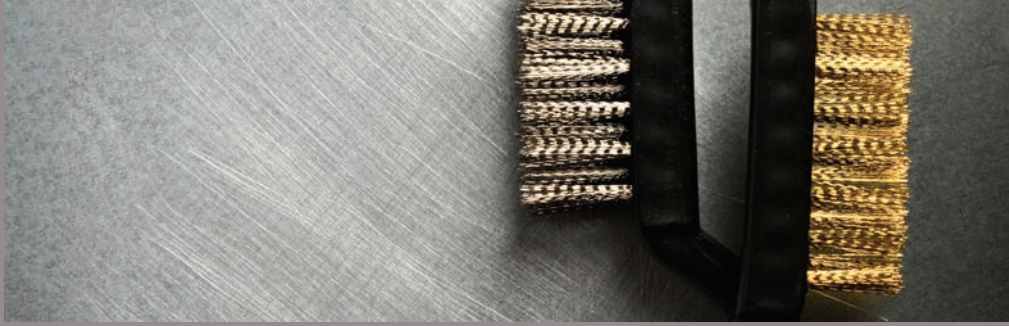


Mocha

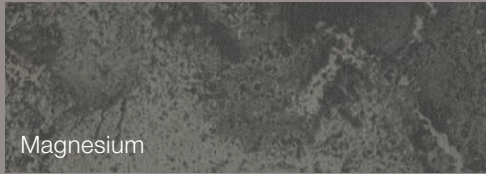


Clear

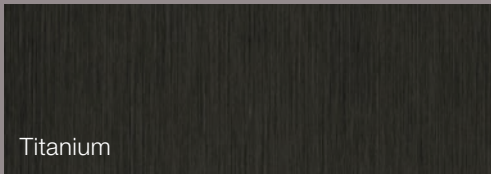




Copper



Magnesium



Titanium



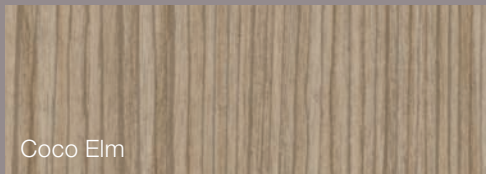
Pewter

Zenolite Color Range

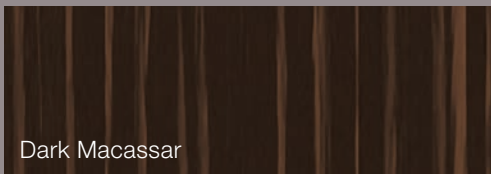
Zenolite wall panels come in a range of colors. Bold, neutral, calming and chic - there is a color to suit every application.



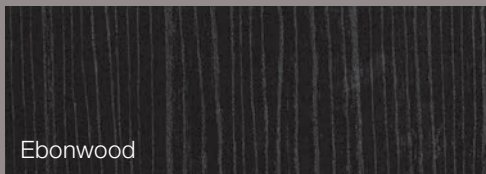
Zebrano



Coco Elm



Dark Macassar



Ebonwood



Not all colors are available in all regions. Custom colors are available upon request. Minimum order quantities apply.

Due to the nature of the printing process, the colors depicted in this brochure may vary compared to the actual product's color. Printed colors and images are to be used as a guide only. Actual color samples are available from your distributor.

Zenolite Specifications

Savings

Time and Cost: Zenolite saves time and money, because you do not need to lay individual tiles or use any grouting - and time is money on any project. Zenolite is lightweight, easy to handle and can be cut, drilled, and shaped on site unlike other materials such as glass panels.

Freight and Packaging: Costs are reduced because of Zenolite's low weight, allowing for more shipping and transport options. Less energy is used for cartage, plus it's easier to handle and move around with less chance of breakage.

Maintenance: Being completely inert with an impervious surface, bacteria and mold do not permeate the sheet. Surface contaminants are simply wiped away with mild soap and water - delivering a significant saving in labor and chemicals use over the life of the installation. Zenolite panels and sheets carry a 10 year indoor UV warranty.

Cleaning and refinishing

- Zenolite is easy to clean using mild soap, warm water and a soft microfiber cloth or chamois.
- Strong chemicals are not required.
- Waterproof, impervious ultra-hygienic surface.
- Minor scratching and scuffing can be easily removed by hand with selected liquid polishes and a microfiber cloth.
- More severe scratches or damage can be removed by mechanical buffing using a cutting compound and woolen buff at a slow speed.

Zenolite panel size

- 2440mm x 1220mm x 4mm

Installation

The installation system uses a combination of double sided-tape and neutral cure silicone. Allowance for thermal movement is important and 3mm (1/8") per 1000mm (40") is adequate in most situations. Joints can be left open, sealed with neutral cure silicone or fitted with the Zenolite edge extrusions. Refer to the Zenolite Technical Guide at zenolite.com for full details.

Note - Zenolite thermal movement is 0.7mm / 1000mm / 10°C

Performance

Zenolite is a proven performer because it has two layers of acrylic fused into one (a color layer and a clear layer).

This means:

- the color is not a thin, inconsistent or patchy layer of paint.
- the color layer is permanently fused to the clear acrylic and will not separate.
- unlike glass and other painted high gloss sheet products, minor scratches to the color layer will not show through to the clear side.

Environment

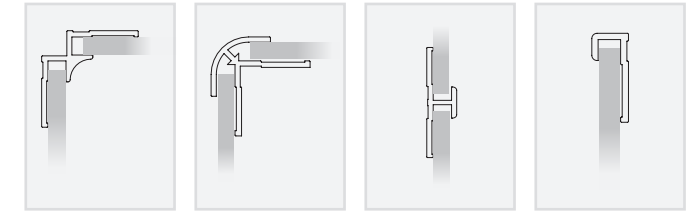
Zenolite is designed to have as minimal impact on the environment and is wholly manufactured under the EGR Environmental Management System, which has been independently accredited to ISO14001. The manufacturing process does not release any harmful emissions to air, land or water. Zenolite is hygienic and does not promote bacterial growth or transmission making it ideal for food outlets, high traffic areas and public spaces.

Custom orders

For unique projects and applications we can customize both color and panel sizes. Minimum order quantities apply.

Edge finishing and joining

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



znex0010
Internal Quad Corner

znex0011
External Quad Corner

znex0012
Straight Joiner

znex0013
Square Edge Cap

Bathrooms

Zenolite HC features a high performance coating layer and is designed for more demanding environments including shower and bathroom walls, high traffic areas and public amenities. The ultra clear third layer dramatically enhances the chemical and scratch resistance. Contact your distributor for availability in your region.

Warnings

- Zenolite is designed for interior, vertical use only.
- Zenolite panels are thermoplastic and will expand and contract with temperature and therefore will perform best in temperature controlled environments with recommended expansion gaps.
- Avoid use in areas exposed to intense direct sunlight such as adjacent to skylights or large unshaded windows.
- For specific installation recommendations contact our technical service team at zenolite.com

Zenolite 2mm Sheet and Board

The next generation high gloss sheet for premium residential & commercial joinery.

Zenolite 2mm Sheet is the new lamination specific version of Zenolite. Glossy, vivid and lightweight, it's a sophisticated new material specifically created for furniture and joinery applications in premium commercial and residential environments.

Zenolite Board is available ready-to-use. With a total thickness of 18mm, it features a durable plywood core and a high gloss colored backing sheet.

Application

Zenolite 2mm Sheet can be laminated to a variety of substrates. Best results will be achieved using either polyurethane (PUR) reactive hot melt adhesive, applied through an automated lamination machine, or liquid polyurethane adhesive, applied in a well-controlled manual fashion.

The combination of a very rigid substrate, such as High Density Fiberboard (HDF) or Hardwood Plywood, with an adequate backing material, is essential to achieve a stable panel.



Solid colors



Decor Print



Sheet Specifications

- 2440mm x 1220mm x 2mm

Board Specifications

- 2400mm x 1200mm x 18mm
- Hardwood Ply Substrate
- 1mm high gloss backing

Technical Data

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	>85%

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

THERMAL PROPERTIES			
HDT, 264psi, 1.82MPa	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

CHEMICAL RESISTANCE	
ZENOLITE IS RESISTANT TO:	DO NOT EXPOSE ZENOLITE TO:
Kerosene	Acetone
Mineral Turps	Bleach
10% Citric Acid	Glass Cleaner
Lemon Juice	Methylated Spirits
Vinegar	Abrasive Cleaners
Coffee	Agressive Solvents like MEK or Toluene
Liquid Soap	



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