

Splash

*Add a Splash of Living Color*

The ultimate in high gloss  
vertical surface products

**Zenolite**<sup>®</sup>

*A Splash of Living Color*

by **EGR**

[www.zenolite.com](http://www.zenolite.com)

# Zenolite®

## The ultimate in high gloss surface products



Zenolite® is the high tech, high gloss acrylic panel that has the look of glass yet does not have the installation restrictions and high cost of equivalent glass panels.

Zenolite comes in a range of designer colors, and being made from unique polymers, Zenolite will not crack, warp, shatter, stain or distort from normal commercial or household activities.

Providing a sleek and modern finish, Zenolite is a simple, fast and cost effective way to give your reception, foyer, kitchen, bathroom, bar and recreation area or boardroom, a new designer or updated look! Whether you use it as a feature wall, kitchen splashback, fascias, marker boards or office partitioning, Zenolite can bring to life virtually any vertical surface with a splash of color.



Zenolite panels can be fabricated and cut on-site by the installer, allowing custom fitting to out of square walls and accurate location of cut outs for power and water points.

### ***25 times the impact strength of equivalent glass panels***

The Zenolite innovation also means ease of maintenance. With Zenolite there is no need to purchase special cleaners as an ordinary mild detergent on a soft cloth does the cleaning - it's that simple.



## Zenolite is design rich

Zenolite provides the design features that turn heads - whether in commercial or residential applications. Modern technology means that you can have the high gloss glass panel look at a fraction of the time and cost.

Flexibility is the key when it comes to the commercial world, and Zenolite can be used to transform most flat and curved vertical surfaces into high visibility elements with stunning looks and lines. Zenolite was created with the needs of the user in mind. It can be cut and shaped easily, it is long lasting, and with it's patented design can withstand commercial applications and maintain it's superior surface gloss and performance with minimal cleaning for years to come.

This makes Zenolite a great option when creating eye-catching features for any building or room. Architects and Designers use Zenolite because it is a reliable, cost effective material that does what it sets out to do - impress!

## Zenolite is Customizable

Zenolite is available in 6mm thick across a range of 11 standard colors and 3 sheet sizes. Some projects can benefit from custom lengths and widths to maximise sheet usage or achieve specific design goals. Typical minimum quantity for custom size is 60 sheets. Zenolite can also be supplied in most custom colors subject to minimum order quantity of 130 sheets.

For smaller volume custom projects, Zenolite clear is available in 2465mm x 1240mm (97" x 48") size which can be custom painted or printed by an appropriate provider to meet virtually any design brief.



**With a sleek and modern finish, Zenolite is a simple and cost effective way to create that new designer look!**

# Zenolite® Installation and Performance

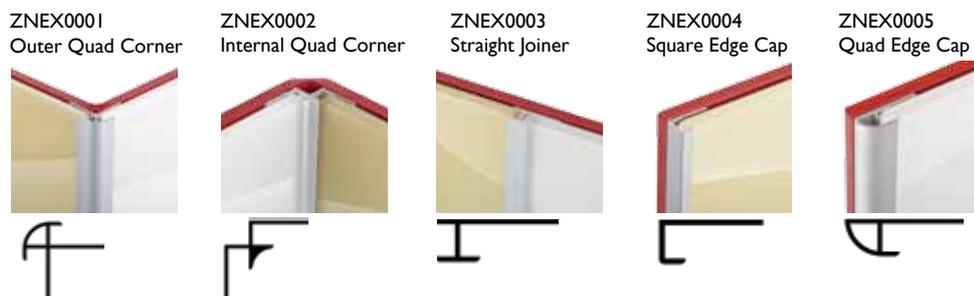
## Installation

Zenolite is specifically designed to cover large and small wall areas quickly. 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 silicone or used with the Zenolite edge extrusions.

Refer to the Zenolite Technical Guide at [www.zenolite.com](http://www.zenolite.com) for full details.

## Features of Zenolite

- Available in a range of designer colors
- Superior flatness and exceptional high gloss surface
- 100% fully recyclable
- 10-year indoor UV warranty
- Manufactured and supplied in standard sheet form
- Lighter and easier to handle than equivalent glass panels
- 25 times greater impact strength than equivalent glass panels
- Will not chip or peel like paint, vinyl or wood
- The color is integrated into the product, not a spray painted finish
- Matching colored edge bands are available
- Minor scratches can be easily repaired
- It is easily fabricated with standard woodworking tools and suitable for simple thermoforming, bending and gluing
- Zenolite can be installed and finished using a variety of aluminum edge extrusions. There are 5 profiles each supplied in 2500mm (98") lengths



## Sheet sizes

- 2465mm x 1240mm x 6mm thick (97" x 48" x 1/4") - available all markets
- 3690mm x 1240mm x 6mm thick - contact your distributor for availability
- 3150mm x 650mm x 6mm thick (\* colors as marked) - contact your distributor for availability



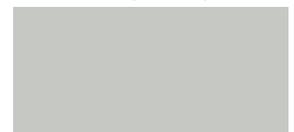
Arctic \*



Ivory \*



Glacier (New)



Titan



Mocha \*



Sahara



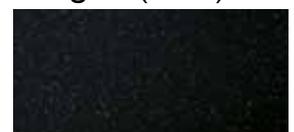
Olive \*



Blue Atoll (New)



Rouge \* (New)



Metallic Black (New)



Carbon \*

## Special Order Colors



Red



Steel



Grange

Contact your local distributor for availability of these colors

## Cleaning

With Zenolite, cleaning is simple. Best results are achieved by using a soft micro-fibre cloth or chamois with a non-abrasive soap or common household detergent in warm water. Even grease or oil can be removed easily with kerosene.

Zenolite is inert and ultra hygienic and does not promote bacterial growth or transmission. As with all high gloss decorative surfaces, do not rub the surface when it is dry. Avoid use of paper towels. Brushes, scrapers or scourers should not be used at any time.

Because Zenolite is user friendly and environmentally engineered we have created a surface that does not need harsh chemicals or effort to clean it. There is no need for heavy cleaners such as window cleaning sprays, any acidic solutions and harsh chemicals like acetone, chloroform, benzene, ammonia, thinners, caustic soda, toluene, xylene etc.

## Scratches

Minor scratches and scuffing can be easily removed by hand with selected liquid polishes and soft polishing cloths. Any moderate damage can be restored completely to the original high gloss finish using very fine grades of wet and dry sandpaper by hand or by machine where necessary. With minimal effort, Zenolite will continue to have high gloss finish indefinitely.

## Lamination

Zenolite 6mm wall panels are not suitable for permanent bonding to thin substrates for cabinet doors and drawers. Zenolite 2mm and 4mm are available in some markets for non wall applications. Contact your distributor or [www.zenolite.com](http://www.zenolite.com) for details.

## Environment

Zenolite is designed to have as minimal impact on the environment as possible. Zenolite consists only of Carbon, Hydrogen and Oxygen and is 100% recyclable and Zenolite will only consume around 10% of the original energy consumption during recycling - in contrast to glass, which requires more than 60% of its original energy consumption during recycling.

Zenolite is wholly manufactured under the EGR Environmental Management System, which has been independently accredited to ISO14001.

The Zenolite 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.

**Restaurant feature walls, bars, hotels, reception areas, offices, cupboards and desk backs... Zenolite impresses!**

# EGR Zenolite® Panel Properties

Zenolite is for indoor vertical surfaces only.

Refer to the Zenolite Technical guide at [www.zenolite.com](http://www.zenolite.com) for more information.

		Metric		US	
<b>General Properties</b>					
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	%
<b>Dimensions</b>					
Diagonal Difference	-	< 4	mm	< 0.16	in
Thickness	-	6	mm	0.24	in
<b>Mass</b>					
		7.14 kg / SQ M		1.4 lbs / SQ Ft	
<b>Mechanical Properties</b>					
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	0.28	ft/lbs.in
Abrasion (Taber, 10 rots. CS10F 500g)	ASTM D-1044	11	% Haze	11	% Haze
Pencil Hardness	ASTM D-3363	2	H	2	H
Thermal expansion and contraction		0.7mm/1000mm/10°C		43thou/36"/30°F	
<b>Thermal Properties</b>					
HDT, 264psi, 1.82MPa	ASTM D-648	96	°C	203	°F
CTE, -30 to 30C	ASTM D-696	7	mm/(mm.°C)x10 <sup>-5</sup>	4	in/(in.°F)x10 <sup>-5</sup>
Continuous service temperature		77	°C	170	°F
Max temperature, Short term		95	°C	202	°F
Degradation Temperature		> 275	°C	> 530	°F
<b>Fire Behavior</b>					
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		-	
<b>Chemical Resistance</b>					
Kerosene		No Effect			
Mineral Turpentine		No Effect			
10% Citric Acid		No Effect			

\*As tested by Bodycote (report 08-002-719)

## Limits

Zenolite should NOT be used in the following applications:

- Horizontal surfaces
- Behind cook tops or other direct heat source
- Outdoors
- Shower walls

# Zenolite® by EGR



Who is EGR?

Founded in 1973, EGR has over 38 years of international manufacturing experience - and is a leader in developing breakthrough products for key markets. The EGR Group is now a multinational Corporation that employs more than 800 people worldwide.

The EGR Group services a portfolio of international distributors and some 50 multinationals located in more than 40 countries around the world.

The Zenolite high gloss acrylic panel is a key product from our Decorative range manufactured by the world class EGR Extrusion Division.

Our commitment to our customers is one of quality and innovation - and Zenolite is no exception.



**With a depth of color and consistency of finish, Zenolite is the ideal surface for decorative high gloss wall panels.**

Distributed By:



Color

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by **EGR**

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