

Splashes

Add a Splash of Living Colour

The ultimate in high gloss
vertical surface products

zenolite[®]

A Splash of Living Colour

by **EGR**

www.zenolite.com

Zenolite®

The ultimate in high gloss surface products



Zenolite® is the high tech, high gloss panel with a glass like appearance but without the installation restrictions and cost of glass panels.

With a range of designer colours, plus being made from unique polymers, Zenolite will not crack, warp, shatter, stain or distort from normal commercial or household activities and does not have the limitations of aluminium panelling.

Providing a sleek and modern finish, Zenolite is a simple, easy and cost effective way to give your reception, foyer, kitchen, bathroom, bar and recreation area or boardroom, a new designer look!



Whether you use it as a feature wall, kitchen splashback, fascias for drawers and cupboards or office partitioning, Zenolite can bring to life with a splash of colour, any vertical surface.

Zenolite enables on-site cutting and bending, eliminating the need to pre-order toughened glass panels weeks in advance. Zenolite panels can be fabricated by the installer on-site, allowing last minute changes to be made, such as electrical point cut-outs etc.

25 times the impact strength of glass

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

Zenolite provides the designer feel without the designer budget - Imagination is the only limitation.



Zenolite®
A Splash of Living Colour
by **EGR**

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 any flat vertical surface into a high visibility surface that is impact resistant 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 durable and long lasting, and with its patented design can withstand commercial applications and maintain its superior sheen and performance with minimal cleaning.

This makes Zenolite a great alternative when creating high visibility areas and those 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 Customisable

Colours are not an issue either, as Zenolite comes in a range of standard colours and also has the additional option of "made to order" - so you can pick your own colour and sizes for that important job or project.

Custom sizes and colours are available upon request and subject to minimum order quantities.



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

6mm Zenolite®

Applications

Zenolite 6mm is specifically designed for large coverage areas such as shop fit-outs, display cabinets, feature walls, wet areas, bars, doors, foyers and reception areas. Having excellent rigidity, the 6mm panel will lay flat on most vertical surfaces.

Features of Zenolite 6mm

- Available in nine (9) designer colours
- 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 glass
- 25 times greater impact strength than equivalent glass panels
- Will not chip or peel like paint, vinyl or wood
- Colour is integrated into the product, not a spray painted finish
- Matching edge bands available
- Scratches can be easily repaired
- Easily fabricated with standard woodworking tools and suitable for simple thermoforming, bending and gluing
- Zenolite 6mm can be installed and finished using a variety of aluminium edge extrusions. There are 5 profiles each supplied in 2500mm lengths

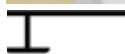
ZNEX0001
Outer Quad Corner



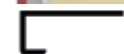
ZNEX0002
Internal Quad Corner



ZNEX0003
Straight Joiner



ZNEX0004
Square Edge Cap



ZNEX0005
Quad Edge Cap

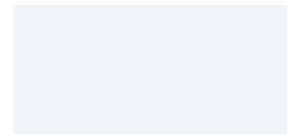


Limits

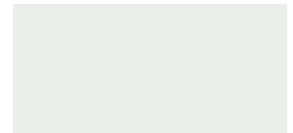
Cannot be used directly behind stove, cook top or direct heat source.

Sheet sizes

- 2465mm x 1240mm x 6mm thick
- 3690mm x 1240mm x 6mm thick



Arctic



Ivory



Titan



Mocha



Olive



Red



Grange



Steel



Carbon



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

4mm Zenolite®

Applications

Zenolite 4mm can be used in various vertical surface applications around the home, office or commercial environment. Zenolite 4mm is recommended for areas less than 1 SQ/M in applications such as furniture, cabinet making and joinery applications that are laminated to moisture resistant substrates or secured into extruded aluminium or timber frames.

Features of Zenolite 4mm

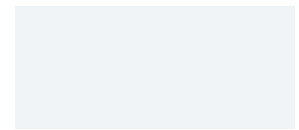
- Available in six (6) designer colours
- Exceptional gloss surface
- Colour is integrated into the panel - not painted or laminated. Hence the colour will not fade, chip or delaminate
- 25 times greater impact strength than equivalent glass panels
- Superior flatness to ensure a consistent reflective surface on each and every panel
- Scratches can be easily repaired - unlike glass, paint or vinyl
- Surface will not chip or peel like paint, vinyl or wood
- Lighter and easier to handle than glass
- Easily fabricated with standard woodworking tools and suitable for simple thermoforming, bending and gluing
- 100% recyclable and 10 year indoor UV warranty

Limits

Cannot be used directly behind stove, cook top or direct heat source.

Sheet sizes

- 2465mm x 1240mm x 4mm thick



Arctic



Mocha



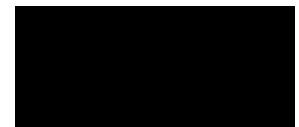
Olive



Grange



Steel



Carbon



**Office partitions, fascias, draws and cupboard doors...
let your imagination decide.**

Cleaning

With Zenolite, cleaning is meant to be 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 hygienic and does not promote bacterial growth or transmission, so when its clean – it's really clean!

Remember, as with all high gloss surfaces, do not rub the surface when it is dry or use brushes, scrapers or scourers 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. These complex and refined chemicals are just not required to keep Zenolite in pristine condition.

Scratches

Minor scratches and scuffing can be easily removed from Zenolite 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 a high gloss sheen.

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. Plus Zenolite will only consume around 10% of the original energy consumption during recycling. In contrast to glass which consumes more than 60% of its original energy consumption during recycling.

Zenolite also contributes to credit points for the United States Green Building Council LEED building rating system & 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 restaurants, hotels, kitchens and high traffic areas.



With a depth of colour and consistency of finish, Zenolite is the ideal flat surface for high volume laminations or as decorative high gloss wall panels.

EGR Zenolite® Panel Properties

Zenolite is not recommended for outdoor use or where a direct heat source is applied such as behind gas cook tops or stove tops, or where highly acidic or volatile chemicals are used.

Table:

		Metric		US	
General					
Specific Gravity	ASTM D-792	1.19	-	1.19	-
Water Absorption	ASTM D-570	< 0.5	%	< 0.5	%
Dimensions					
Diagonal Difference	-	< 4	mm	< 0.16	in
Thickness	-	6	mm	0.24	in
		4	mm	0.16	in
Mass					
	6mm	7.14 kg / SQ M		1.4 lbs / SQ Ft	
	4mm	4.76 kg / SQ M		0.94 lbs / SQ Ft	
Mechanical					
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
Thermal					
HDT, 264psi, 1.82MPa	ASTM D-648	96	°C	203	°F
Specific Heat Capacity		1.47	J/gK	0.35	BTU/lb-°F
CTE, -30 to 30C	ASTM D-696	7	mm/(mm.°C)x10 ⁻⁵	4	in/(in.°F)x10 ⁻⁵
Thermal Conductivity	ASTM C-177	0.18	W/mK	1.25	BTU-in/hr-ft2-°F
Continuous service temperature	6mm	77	°C	170	°F
Max temperature, short term	6mm	95	°C	202	°F
Continuous service temperature	4mm	70	°C	158	°F
Max temperature, short term	4mm	80	°C	176	°F
Degradation Temperature		> 275	°C	> 530	°F
Flame Spread	ASTM E84	130*	-	130*	-

* As tested at Bodycote
(report 08-002-719) on 6mm (0.24")

Zenolite®

A Splash of Living Colour
by **EGR**



Zenolite® by EGR

Who is EGR?

EGR has over 35 years of international manufacturing experience - and is a leader in developing breakthrough products for key markets.

Zenolite takes advantage of our international pedigree and is a cornerstone product from our acclaimed Extrusion Division.

Founded in 1973, the EGR Group is a now multinational Corporation that employs more than 1,000 people worldwide.

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

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

www.zenolite.com

Distributed By:



Colour

Add a Splash of Living Colour



Statements and recommendations provided by EGR, either written or verbal are based on our experience gained to date. Laminated panel performance may vary due to application methods, substrate variations and environmental conditions. Users should consult the adhesive and substrate suppliers technical data and complete their own tests to determine the suitability of our product for each application. Individual results may vary. No liability may be derived from these images or statements nor from our free technical advice. All images are to be used as a guide only. Individual results may vary.

Due to the nature of the printing process, the colours depicted in this brochure may vary compared to the actual products' colour. Printed colours are to be used as a guide only.

by **EGR**

www.zenolite.com

© Copyright 2009
Patent Pending
Oakmoore Pty Ltd
ABN: 13 056 159 570