



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

<b>MECHANICAL PROPERTIES</b>			
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	

<b>THERMAL PROPERTIES</b>			
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 <sup>-5</sup> mm/(mm.°C)	(4 x 10 <sup>-5</sup> in/(in.°F))
Continuous Service Temperature		77°C	(170°F)
Max temperature, Short Term		95°C	(202°F)
Degradation Temperature		>275°C	(>530°F)

<b>FIRE BEHAVIOUR</b>		
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
Mineral Turpentine	No Effect
Hot Sodium Hydroxide Solution	No Effect
General Cleaner – Easy-Off BAM®	No Effect
General Cleaner – Spray n' Wipe®	No Effect
General Cleaner – Cloudy Ammonia	No Effect
Bleach – White King®	No Effect
Bleach – Domestos®	No Effect
Glass Cleaner – Windex®	No Effect
Fragrance Spray – Air Wick®	No Effect
Shower Gel – Health Basics®	No Effect

Shampoo – Pantene®	No Effect
Mouthwash – Listerine®	No Effect
Toothpaste – Macleans®	No Effect
10% Citric Acid	No Effect
Hot Tomato Sauce	No Effect
Lemon Juice	No Effect
Hot Coffee	No Effect
Vinegar	No Effect
Cleaning Cream – Jif	Mild Effect
Isopropyl Alcohol	Severe Damage
Acetone	Severe Damage

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

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