



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 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.

ALSO AVAILABLE:



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 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.com

ZENOLITE® HC PANEL PROPERTIES

ZENOLITE® HC 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)
Abrasion (Taber, 10 rots. CS10F 500g)	ASTM D-1044	<10% Gloss
Pencil Hardness	ASTM D-3363	6H

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® HC 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	No Effect
Fragrance Spray – Air Wick®	No Effect	Isopropyl Alcohol	No Effect
Shower Gel – Health Basics®	No Effect	Acetone	Mild Staining

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

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