

Technical Data Sheet

Zenolite panels unique properties offer designers the opportunity to create exciting and highly functional spaces. Our colour palette has been carefully crafted to offer both grounded and inspirational options for the designer. The colours will work in harmony or contrast with many natural and industrial finishes. Zenolite 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.

	Test Method	Results	
GENERAL PROPERTIES			
Specific Gravity	ASTM D-792	1.19	
Water Absorption	ASTM D-570	<0.5%	
Gloss	AS/NZS 1580.602	>90%	
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)
Pencil Hardness	ASTM D-3363	4H	
Erichsen Hardness*	ISO 4586-2 (DIN EN 438-2)	≥0.9N	
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 10-5mm/(mm. °C)	(4 x 10-5 in/(in. °F))
Continuous Service Temperature		77°C	(170°F)
Max temperature, Short Term		85°C	(185°F)
Degradation Temperature		>275°C	(>530°F)
FIRE BEHAVIOUR			
Flame Spread Index	ASTM E84	130*	
Australia BCA 2006	AS/NZS 3837:1998 AS/NZS 1530.3	Group 4 Smoke and over spread = 4, Flame spread = 7	
U.K.	BS476	Rating 4	
U.S.A.	UL94	HB	
Europe	EN 13501	Class E	

	LRV Values
Arctic	60.43
Tusk	59.72
Malt	46.03
Sago	26.96
Moleskin	39.52
Macchiato	11.29
Snowy Mountain	39.14
Glacier	56.92
Pale Eucalypt	36.40
Khaki	25.48
Regatta	5.86
Titan	22.77

Chemical Resistance

Zenolite is an inert and very stable polymer and is resistant to the following substances: Kerosene, Mineral Turpentine, lemon juice, vinegar, coffee, soaps, and most mild household cleaners.

Zenolite should not be exposed to the following substances: Acetone, Methylated Spirits, Glass Cleaners, Abrasive Cleaners, aggressive solvents such as MEK or Toluene.

* Internally tested by EGR. Images and colours should be used as a guide only. ©2020 / Patent Pending. Oakmoore Pty. Ltd. trading as EGR. ABN: 13 056 159 570 357-150920 V3 250920