

Shera Board Technical Data Sheet

Shera Board is a versatile, medium-density fibre cement sheet suitable as:

- An internal walls and ceilings, including in wet areas as a tile substrate.
- An external cladding for walls, soffits and eaves.
- A rigid wall underlay or backing board for stone veneer, brick slip or tile applications.

Shera Board is manufactured to conform to the requirements of AS/NZS 2908.2 'Cellulose-Cement Products Part 2: Flat Sheet' and EN 12467:2012 'Fibre-cement flat sheets' (ISO 9001:2008).

The manufacturer's name for this fibre cement range is "**Shera Board**" which CLAD Solutions Ltd has branded as **Shera RWU** when used as a rigid wall underlay and as Shera Base when 12mm or 20mm. Shera Board is manufactured by *Shera Public Company Limited*, Thailand. The manufacturing process of all Shera products is ISO 9001 certified.

Properties	Test Standard	Shera Board/RWU/Base Results
Physical Properties		
Density	EN 12467:2004	1300-1400 kg/m ³
Bending Strength / Modulus of Rupture (MOR)	AS/NZS 2908.2:2000 EN 12467:2004	Type A, Category 3, ≥ 7 mPa 11.51 mPa (average in both directions)
Thermal conductivity	ASTM C177	0.15 W/mK
Dimensional tolerances		
Dimensional	AS/NZS 2908.2:2000	Pass
Thickness	EN 12467:2004	± 6%
Length and width		Level 1 Passed
Straightness of Edges		Level 1 Passed
Squareness of edges		Level 1 Passed
Durability Properties		
Water Permeability	AS/NZS 2908.2:2000	No Drops of water forming on the underside.
Warm Water	AS/NZS 2908.2:2000	Pass, > 0.75 ratio.
Heat-Rain	AS/NZS 2908.2:2000	No visible cracks, delamination, and other defects that could affect performance in use.
Soak / Dry	BS EN 12467:2000	Pass, > 0.75.
Frost Resistance / Freeze & Thaw	BS EN 12467:2000	Pass, > 0.75.
Fire Resistance Properties		
Reaction to Fire	ISO 5660.1	NZBC C/AS1 Paragraph 5.4 Appendix C C7.1
		NZBC C/AS2 Paragraph 5.8 Appendix C C7.1
		Suitable for use on buildings with a SH Risk Group classification, at any distance to the relevant boundary. Type A Classification Peak Heat Released < 100kW/m ² . Total Heat Released < 25MJ/m ²
Combustibility	BS476 Part 4	Non-combustible
Ignitability	BS476 Part 5	Pass
Fire Propagation Index	BS476 Part 6	I = 0
Surface Spread of Flame	BS476 Part 7	Class 1
Reaction to Fire Classification	EN 13501-1:2007 +A1:2009	A2 s1 d0
Available Sheet Size and Thicknesses		
Available Sheet Sizes	2400mm x 1200mm 3000mm x 1200mm	Available Thickness
		6mm, 9mm, 12mm*, 20mm* * Only for Shera Base and 2400mm x 1200mm size.
NZBC Compliance		
B2	AS/NZS 2908.2:2000	Shera RWU as rigid wall underlay 50 years. Shera Board/Base as exterior cladding or substrate 15 years.
C	ISO 5660 Parts 1 & 2.	Type A Classification & Group Number 1-S
E2 ¹	ASTM E96:2012, As per NZBC E2/AS1 Table 23	Pass, ≤ 7 MN s/g
F2		Abestos Not Detected.
¹ Meets E2 when over-fixed with a Peel & stick Membrane (PSM) and installed behind a Cladding that complies with the NZBC. ² When Shera Board is installed as finished surface or is exposed, it must be finished with an acrylic exterior paint system complying with AS 3730. The application and maintenance of the paint system must be as per the selected manufacturer's instructions. Material Safety Data Sheet (MSDS) and Environmental Product Declaration (EPD) are available on request. Shera Red List 4.0 free letter available on request. 15-year Transferable Product warranty. Warranty conditions available on request.		