



## VERSA WEATHERPRO L

Versa Weatherpro L is a fibre cement reinforced calcium silicate board that is 100% free from asbestos, inorganic fibres and formaldehyde.

Versa Weatherpro L is specially designed for use in applications where impact resistance is required in a high humidity environment. It is light weight, robust and moisture resistant. It will not warp, swell or decay in wet areas. Versa Weatherpro L is an excellent substrate for ceramic tiles. It can be applied in direct weathering applications when used in conjunction with external grade paint finishes. The board is manufactured to ISO 9001 quality management system and ISO14001 environmental management system, and has obtained the Green Product Label Award issued by National Environment Protection Bureau.

Versa Weatherpro L provides exceptional dimensional stability and an unrivalled resistance to movement due to effects of moisture or heat. The board will not rot or support fungal growth and is unaffected by sunlight or steam. Versa Weatherpro L is natural off white in colour and has a smooth finish on one side and a slightly textured reverse, for internal and external applications.

## VERSA FP 900

Versa FP 900 is a high quality calcium silicate board. It does not contain asbestos or other inorganic fibres and is free from formaldehyde. It is a strong and lightweight non-combustible building board for use in many fire resisting applications up to 240 minutes fire rating performance to international standards including BS, EN, GB, and ISO. Versa FP 900 is made of special fire resistance mineral materials. It is simple to work with and fix, easy to decorate, resistant to the effects of moisture and will not rot and decay.

Versa FP 900 is off-white in colour and has a smooth sanded surface on one side and a slightly textured reverse. It consists of fire rated minerals and calcium silicate matrix reinforced with selected fibres and special fillers.

Apart from fire rating properties, Versa FP 900 is also an ideal building board for use in constructions where there is a need for resistance to damp or high humidity. It contains no water soluble additives and will not rot, degrade or deteriorate. Versa FP 900 is classified as non-combustible when tested in accordance with BS 476 Part 4 and GB 8624 Grade A.

## VERSA WEATHERPRO L

### Applications

Versa Weather Pro L can be used in a wide variety of building applications because of its easy working, fixing and decorating characteristics.

#### Typical applications include:

- Roofing substrate panels
- Impact/acoustic wall & ceiling panels
- Internal/external walling linings
- Kitchen and Laundries
- Bathrooms and Showers
- Ceramic tiles backing boards
- Cooling tower linings
- Facades, planking and shingles
- Parapet linings
- Sanitary cubicles
- Floor tiles/composite floor panels
- Decorative & Moisture resistant ceilings
- Can be painted with waterbased paints without priming

### Technical Specification - Performance

Density	1300 kg/m <sup>3</sup> +/-5%
Weight (approx)	8.60 kg/m <sup>2</sup> - 6mm 12.90 kg/m <sup>2</sup> - 9mm 17.20 kg/m <sup>2</sup> - 12mm
Surface alkalinity	pH 7-10
Flexural strength (along grain)	10.50 MPa
Flexural strength (across grain)	13.80 MPa
Moisture movement (ambient to saturated)	0.5 mm/m
Moisture content	Ex works - 15% In situ - 5%
Thermal conductivity	0.20 W/mK
Resistance to continuous heating	80°C
Non - Combustibility	BS EN ISO 1182: 2002, BS476: Part 4, GB8624-1997, Grade A
Heat of combustion	BS EN ISO 1716: 2002
Building regulations classification	Euro Class A1
Non-permeability	ASTM C1185, No leakage after 6 hour of continuous water spray at 0.5 litre/ minutes under 250pa pressure.
Freezing and thawing test	No alteration nor de-lamination after 25 cycles of freezing/thawing (GB/T7019-1997)
Acoustic insulation	Rw 48dB/STC 48 for 88mm thick partition
Uniformly distribution load test (clear span at 550mm)	24mm board - 35 N/m <sup>2</sup> BS EN 1195: 1998, BS 6399 Table 1
Concentrated load test (clear span at 550mm)	24mm board - 8 KN BS EN 1195: 1998, BS 6399 Table 1
Deflection subject to Uniformly distribution load at 3KN/m <sup>2</sup> (clear span at 550mm)	20mm board - No visible damage. BS EN 1195: 1998, BS 6399 Table 1

## VERSA FP900

### Applications

Versa FP 900 is a high performance board ideally used in construction for resistance of fire, damp and high humidity areas such as:

- Swimming Pools
- Food processing plants
- Hospitals
- Kitchen and Laundries
- Fire rated walls and hoardings
- Fire rated doors
- Fire resistance ceiling
- Fire rated infill panels
- Composite panels
- Smoke extraction duct encasement
- Fire rated internal linings to industrial buildings
- Can be painted with waterbased paints without priming

### Technical Specification - Performance

Density	900kg/m <sup>3</sup> (+/-10%)
Weight	9mm 8.9 kg/m <sup>2</sup>
Standard Size	2400 x 1200mm
Surface Alkalinity	PH 7-10
Flexural strength (along grain)	6.0 MPa
Flexural strength (across grain)	9.5 Mpa
Moisture Movement (ambient to saturated)	0.05%
Moisture Content	Ex Works - 15% In situ - 6%
Thermal conductivity	0.13 W/mK
Thermal movement	9 x 10-6 m/m C
Fire rating to BS 476: Part 20-24, EN1363 and GB/T 9978	240 minutes
Non-combustible test to AS 1530.1, BS 476 Part 4, EN ISO 1182 & GB8624 Grade A	Pass
Surface spread of flame to BS 476 Part 7	Class 1
Fire propagation test to BS 476 Part 6	Class 0
Test for ignitability to BS 476 Part 5	Class P
Minimum bending radius	Along grain 7200mm for 9mm
Sound attenuation	38dB for 9mm board
Acoustic reduction (over range 100-3150 Hz)	Average 22dB
99mm thick partitions	Rw 46dB
105mm thick partitions	Rw 49dB