PACIFIC RIM INDUSTRIES

PRODUCT OVERVIEW

FloorSure

CEMENT FLOOR BOARDS

STRONG / STABLE / SAFE / SMART

A new class of high-strength structural flooring for residential & commercial projects.

WHAT IS FLOORSURE?

A 30 mm high-strength cement floor board engineered to deliver superior load strength & capacity, stability, safety, smart performance and installation efficiency at an affordable price - thereby outperforming concrete, AAC and fibre cement panels.

WHY FLOORSURE?

- Much higher strength (up to 5x).
- Superior load capacity at all joist spacings.
- Easier & faster installation; superior flatness.
- Delivers significantly higher thermal mass.
- Safer (less than 1% silica).
- Competitively priced with lower installation costs.
- Excellent, test-verified stability for long-term performance confidence.

FLOORSURE 30 mm






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DESIGN DRAFT - CONTENT AS SUPPLIED

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PERFORMANCE COMPARISON

Strength. Stability. Value.

Comparison data reproduced from the supplied FloorSure brochure.

Attribute	FloorSure Board 30 mm	Concrete Floor Panel 35 mm	AAC Floor Panel 75 mm	Fibre Cement Panel 22 mm
Bending strength (mean) - dry	**> 20 MPa**	< 4 MPa	< 2 MPa excl. steel reinforcement	> 16 MPa
Bending strength (mean) - wet	**> 14 MPa**	< 4 MPa	N/A	> 9 MPa
Max. point load at joist centre = 450 mm: Residential (350 mm^2) / Commercial (0.01 m^2)	**2.7 / 4.5 kN**	1.8 / 2.7 kN	1.8 / 2.7 kN	1.8 / 3.6 kN
Max. point load at joist centre = 600 mm: Residential (350 mm^2) / Commercial (0.01 m^2)	**2.7 / 4.5 kN**	1.8 / 2.7 kN	1.8 / 2.7 kN	1.8 / 2.7 kN
Max. UDL* at joist centre = 450 mm	**7.5 kPa**	3.0 kPa	5 kPa	5 kPa
Max. UDL* at joist centre = 600 mm	**7.5 kPa**	1.5 kPa	5 kPa	5 kPa
Thermal mass (approx.)	**60 kJ/m^2·K**	43 kJ/m^2·K	42 kJ/m^2·K	26 kJ/m^2·K
Crystalline silica content	**< 1%**	< 1%	< 4%	< 10%
Cost (indicative) - materials	**$$**	$$	$	$$$$
Cost (indicative) - installation	**$$**	$$$	$$$	$$

* UDL = Uniformly Distributed Load. Point-load pairs: residential / commercial.

FLOORSURE 30 mm

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SPECIFICATIONS & APPLICATIONS

Product details

BOARD SIZES

Standard: 2700 x 600 x 30 mm - 61 kg per board.
Special order: 2400 x 600 x 30 mm - 54 kg per board.

STRONG - Structural performance

- Independently tested and certified to meet NCC/BCA deemed-to-satisfy structural requirements for floor loadings to AS/NZS 1170.1 Table 3.1.
- Bending strength (MOR): dry (> 20 MPa) or wet (> 14 MPa).
- High concentrated and uniformly distributed load ratings at 450 mm & 600 mm centres.
- Outperforms concrete, AAC and fibre cement panels on strength metrics.

STABLE - Durable & sustainable

- Passed water permeability, frost resistance, heat-rain & soak-dry testing.
- Stable in internal, external & wet area applications.
- Very low moisture movement - on par with fibre cement.
- Low-carbon production; low silica; long service life.
- Highest-in-class thermal mass - ideal for NatHERS/BASIX.

SAFE - Non-combustible; cutting & handling

- Non-combustible (AS 1530.1). Zero flame spread / zero ignitability (AS 1530.3).
- No asbestos. Less than 1% crystalline silica - safer to cut and not subject to strict SafeWork rules.*
- No chloride ions, low VOC, no fungal growth.

SMART - Versatile & easy to install

- Residential and commercial construction; internal, external and wet area applications.
- Minimises overall cost of floor supply and installation. High thermal mass improves energy efficiency and reduces heating/cooling costs.
- Tongue-and-groove edges for rapid installation. Accurate manufacturing ensures a flat, uniform surface and minimises levelling work.
- Install using screws or nail-gun. Weight: 38 kg/m^2 - easy to handle.
- Takes all major floor coverings. Waterproofing-ready for wet and external areas.

FLOORSURE 30 mm

* Source wording retained. Technical, comparative and safety claims require review before publication; this design draft is not installation or safety guidance.