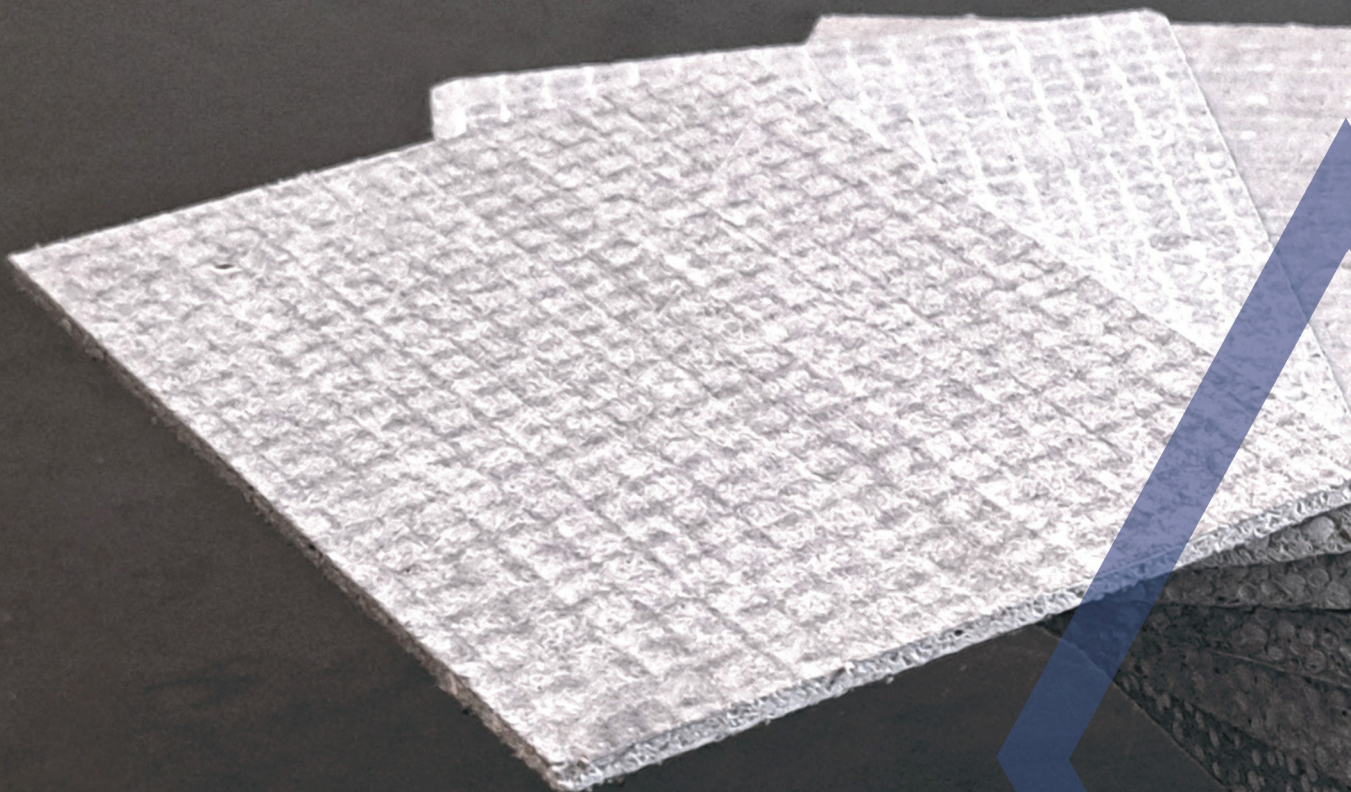




AQUA LIGHT™



AQUALIGHT™ Cement Board
Engineered Strength, Remarkably Light



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AQUALIGHT™ Cement Board

Innovative, Lightweight, and Durable Solutions for Modern Construction

AQUALIGHT™ Cement Board offers high-performance, lightweight panels crafted from a compact blend of high strength cement and light aggregates. Reinforced with fiberglass mesh on both sides, they offer exceptional durability, water resistance, and structural integrity, making them an excellent alternative to conventional building materials in drywall systems.

Key Application:

◆ **Exterior: AQUALIGHT™ Cement Board** is a durable, moisture-resistant, and non-combustible cladding solution suitable for exterior facades, eaves, soffits, and fascia linings. Engineered for long-term performance and dimensional stability, it delivers reliable protection in humid and high-moisture environments, making it ideal for coastal and tropical applications across Australia and New Zealand.

◆ **Interior: AQUALIGHT™ Cement Board** is a lightweight, high-strength solution for interior ceilings and walls lining in both wet and dry areas. It offers excellent moisture, mould, and impact resistance, ensuring long-term stability and a smooth finish in bathrooms, laundries, kitchens, and high-traffic spaces.

Product Specifications:

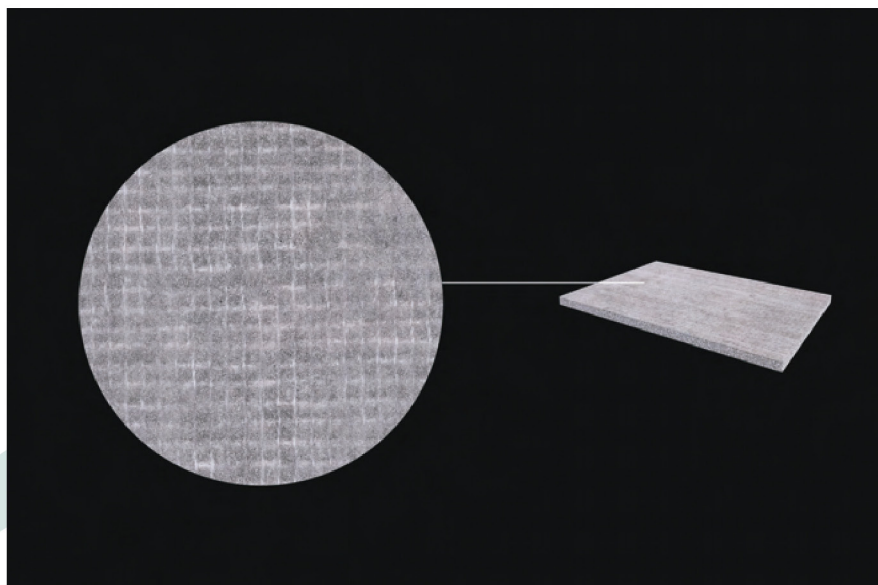
◆ **Standard dimensions:** 1200 x 2400 mm (customised dimensions available)

◆ **Available thicknesses:** 3 mm to 30 mm

◆ **Dry Density:** 900 kg/m³ (±%15), balancing strength and workability

◆ **Material properties:** Non-combustible, asbestos-free, and formulated for minimal silica dust generation, ensuring a safer and healthier working environment during handling, cutting, and installation.

Choose **AQUALIGHT™ Cement Boards** for a reliable, long-lasting solution that ensures structural stability and moisture resistance in demanding interior and exterior applications.



AQUALIGHT™ Cement Board

Lightweight Strength for Demanding Environments

AQUALIGHT™ Cement Boards are engineered to deliver exceptional performance in both exterior applications and humid interior environments. Reinforced with fibreglass mesh on both sides, these advanced panels offer superior strength, moisture resistance, and durability, making them a versatile solution for challenging construction projects.

◆ **Lightweight Design:** Up to %50 lighter than leading competing products, facilitating faster installation and improved handling without compromising performance.

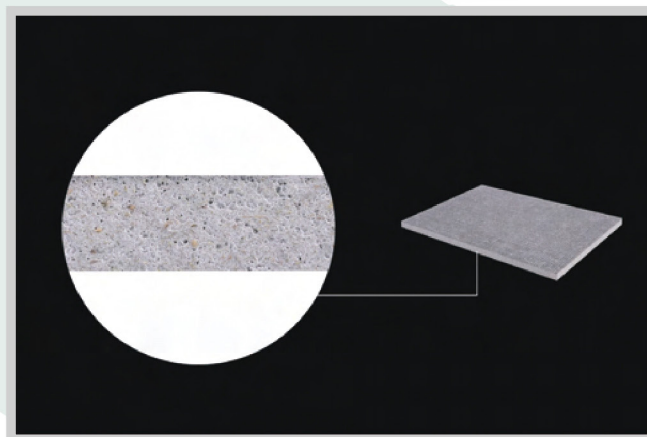
◆ **Superior Strength and Durability:** Fibreglass mesh reinforcement ensures long-term structural reliability, even in demanding conditions.

◆ **Moisture Resistance:** Ideal for humid environments, maintaining integrity and performance over time.

◆ **Versatile Applications:** Suitable for both exterior and interior use, providing a flexible solution for various construction needs.

◆ **Compliance with Global Standards:** Manufactured to meet international quality and performance standards, ensuring reliability and peace of mind.

Choose AQUALIGHT™ Cement Boards for a high-performance, efficient alternative to traditional cement sheets, delivering strength, durability, and ease of installation in one innovative product.



AQUALIGHT™ Pro Cement Board

Lightweight Innovation Without Compromise

AQUALIGHT™ Pro represents the next generation of cement board technology, engineered to deliver exceptional performance while significantly reducing weight. By integrating expanded polystyrene (EPS) particles into its proprietary formulation, AQUALIGHT™ Pro achieves a dry density of approximately 800 kg/m³, offering a lighter, more efficient solution for various construction applications.

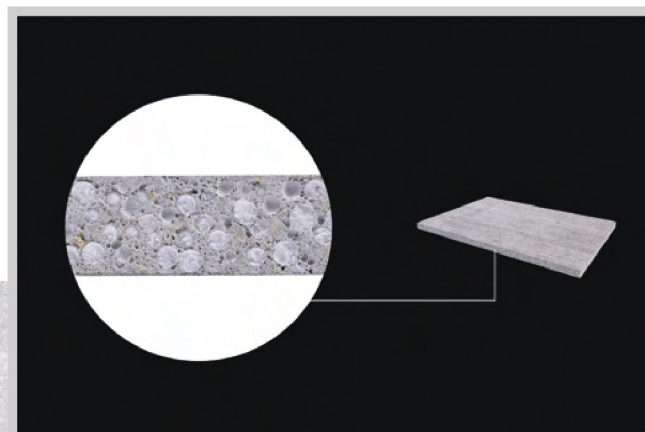
◆ **Reduced Structural Load** The lightweight nature of AQUALIGHT™ Pro eases handling and transportation, and reduces the structural load on buildings, making it ideal for projects where weight is a critical factor.

◆ **Enhanced Moisture Resistance** Maintains exceptional durability and integrity in high-humidity environments, ensuring long-term performance even in challenging conditions.

◆ **Superior Durability** Despite its reduced weight, AQUALIGHT™ Pro retains the strength and resilience characteristic of standard AQUALIGHT™ boards, ensuring reliable performance across various applications.

◆ **Versatile Applications:** AQUALIGHT™ Pro is suitable for both residential and commercial projects. It is ideal for interior walls, ceilings, and other areas where reduced weight and high performance are desired.

Choose AQUALIGHT™ Pro Cement Boards for a construction solution that combines lightweight efficiency with uncompromised durability and performance.

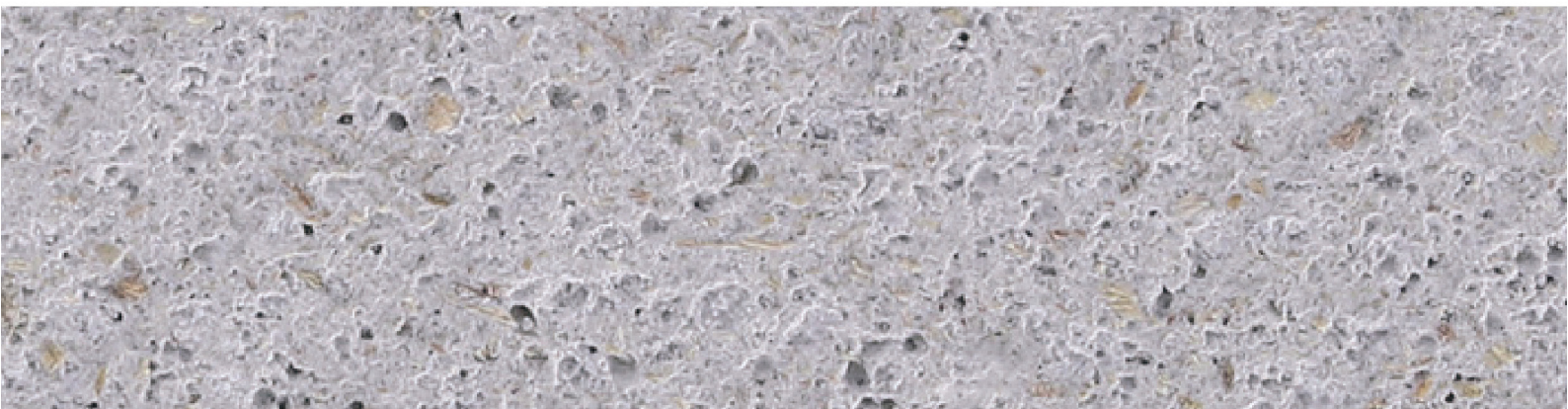


Comparison Table

The Pinnacle of Quality and Performance

AQUALIGHT™ Cement Boards are engineered to meet the highest standards of modern construction, offering unparalleled strength, durability, and versatility. Utilizing superior raw materials and cutting-edge manufacturing technology, AQUALIGHT™ sets a new benchmark in cement board solutions.

Feature	AQUALIGHT™ Cement Board	High Quality Cement Sheets	Medium Quality Cement Sheets	Low Quality Cement Sheets
Lightweight & Easy Handling	✓	✗	✗	✗
Reinforced Edges for Strength & Stability	✓	✓	✗	✗
Fastening Near Edges Without Breakage	✓	✓	✗	✗
Superior Impact & Handling Durability	✓	✓	✗	✗
Quick & Simple Installation	✓	✓	✗	✗
Lowest Water Absorption	✓	✓	✗	✗
Cuttable with Utility Knife (No Power Tools Needed)	✓	✗	✗	✗
Inorganic Core – Mold & Mildew Resistant	✓	✓	✓	✗



Unique and Special Features

Engineered for Excellence in Modern Construction

AQUALIGHT™ Cement Boards are designed to meet the rigorous demands of contemporary building projects, offering a blend of durability, safety, and environmental responsibility.

◆ **Lightweight Design:** Significantly reduces structural load, enhancing safety in seismic conditions and simplifying transportation and installation.

◆ **Mould & Fungus Resistant:** Free from cellulose fibres, preventing microbial growth even in high-humidity environments.

◆ **Moisture & Freeze-Thaw Resistant:** Maintains structural integrity in extreme weather conditions, ensuring longevity and performance.

◆ **Termite & Insect Resistant:** Fully inorganic composition deters pests, providing long-term protection without the need for chemical treatments.

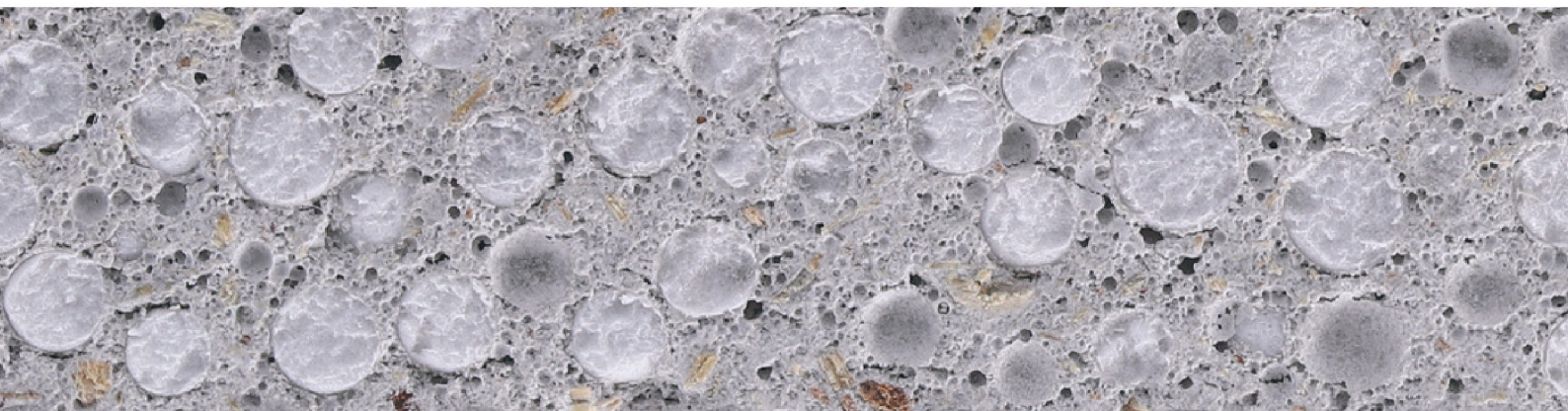
◆ **High Dimensional Stability:** Resists breaking and remains unaffected by temperature or humidity fluctuations, ensuring consistent performance over time.

◆ **Eco-Friendly & Safe:** Manufactured without asbestos or formaldehyde, contributing to a healthier environment and eliminating the generation of harmful particulate matter.

◆ **Healthier Installation:** Our Easy-Cut technology minimizes dust generation, significantly reducing airborne particles and improving on-site air quality for safer installation.

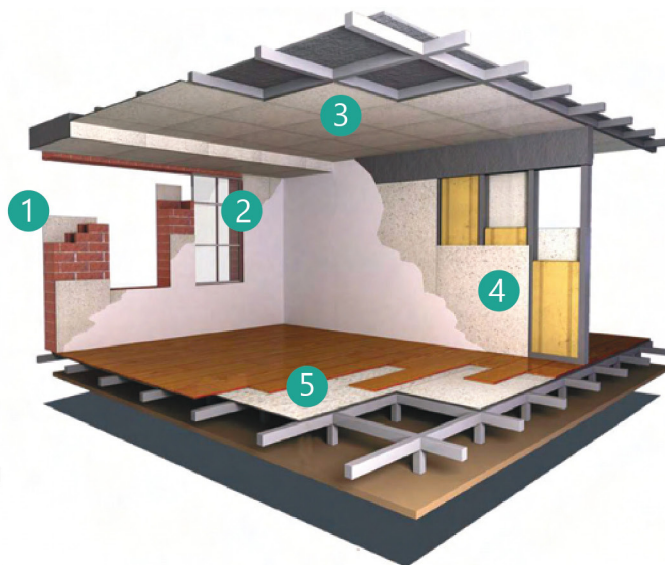
◆ **Easy-Cut Technology:** Allows for quick and easy installation with minimal tool requirements, saving time and labor costs.

Choose **AQUALIGHT™ Cement Boards** for a reliable, durable, and environmentally conscious solution that meets the highest standards of modern construction.



Applications

- 1 - Exterior wall
- 2 - Interior wall
- 3 - Ceiling / Suspended Ceiling
- 4 - Partition wall
- 5 - Subfloor



Product	Flooring	Interior	Ceiling	Exterior
AQUALIGHT™ 6 mm	✗	✓	✓	✗
AQUALIGHT™ 8 mm	✗	✓	✓	✓
AQUALIGHT™ 10 mm	✗	✓	✓	✓
AQUALIGHT™ 12 mm	✗	✓	✓	✓
AQUALIGHT™ 16 mm	✓	✓	✓	✓
AQUALIGHT™ 18 mm	✓	✓	✗	✓
AQUALIGHT™ 20 mm	✓	✓	✗	✓

AQUALIGHT™ Interior Wall System

Innovative Solutions for Moisture-Prone Environments

AQUALIGHT™ Interior Wall Systems are engineered to deliver exceptional performance in high-humidity environments. Utilizing AQUALIGHT™ cement boards, these systems are ideal for areas such as swimming pools, industrial kitchens, and other moisture-prone spaces.

♦ **Moisture & Humidity Resistant:** Designed to withstand wet conditions, ensuring long-term durability and structural integrity.

♦ **Flexible for Curved Walls:** Supports innovative architectural designs, allowing for the construction of curved walls and creative interior layouts.

♦ **Compatible with Various Finishes:** Suitable for ceramic tiles, paints, and other decorative coatings, providing versatility in design choices.

Choose **AQUALIGHT™ Interior Wall Systems** for a reliable, durable, and versatile solution that meets the demands of modern construction in moisture-rich environments.

AQUALIGHT™ Exterior Wall System

Superior Installation & Design Flexibility

◆ **Quick & Easy Installation** - AQUALIGHT™ enables fast assembly, reducing construction time and labour costs.

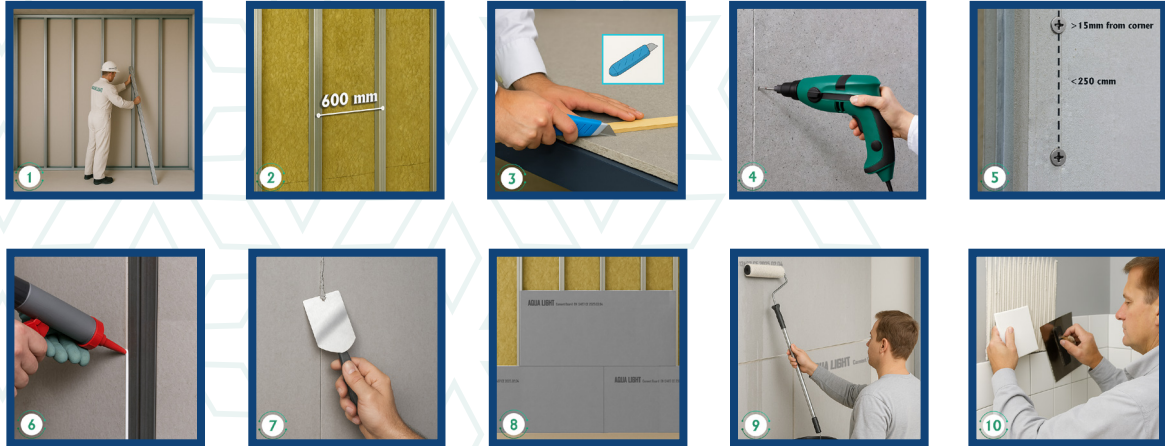
◆ **Versatile Finishing Options** - Compatible with textured coatings, rendering, and paint finishes, allowing for a high-quality exterior finish across the entire facade, including eaves, soffits, and fascia areas.

◆ **Exceptional Weather Resistance** - Despite its lightweight composition, AQUALIGHT™ delivers outstanding durability against harsh environmental conditions.

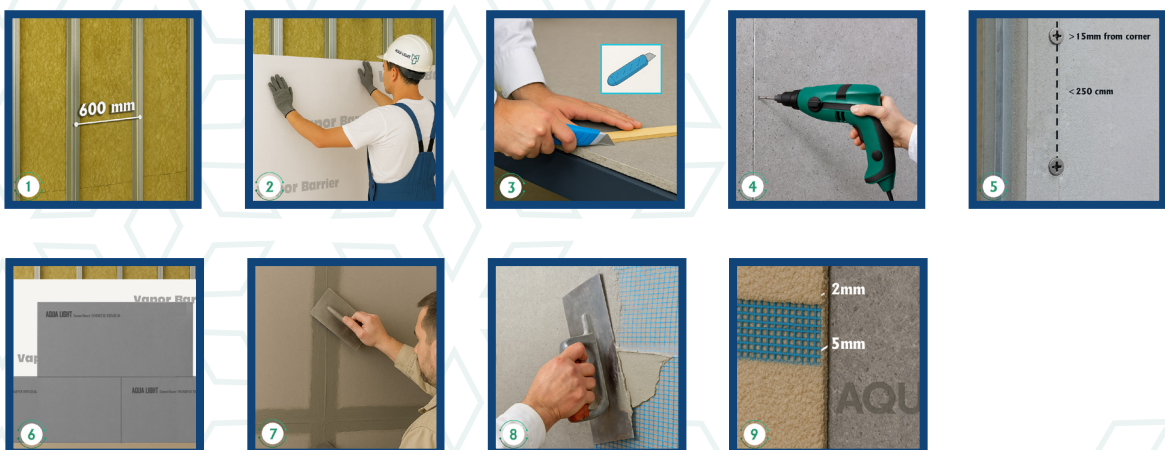
◆ **Unmatched Design Flexibility** - Its high bending capacity allows for seamless integration into curved and complex architectural designs without restrictions.



AQUALIGHT™ Interior Wall System



AQUALIGHT™ Exterior Wall System



AQUALIGHT™ Ceiling System

Lightweight Strength for Moisture-Prone Spaces

AQUALIGHT™ Ceiling Systems are engineered to deliver exceptional performance in high-humidity environments, AQUALIGHT™ cement boards, particularly those under 10mm thick, are ideal for swimming pools, industrial kitchens, and other moisture-prone spaces.

◆ **Lightweight Design:** Facilitates easy and efficient overhead installation, reducing labor time and costs,

◆ **Moisture Resistance:** Provides long-lasting durability in wet conditions, ensuring structural integrity over time.

◆ **Versatility:** Suitable for both residential and commercial applications, offering flexibility in design and usage.

Choose AQUALIGHT™ Ceiling Systems for a reliable, durable, and efficient solution in challenging, moisture-rich environments.

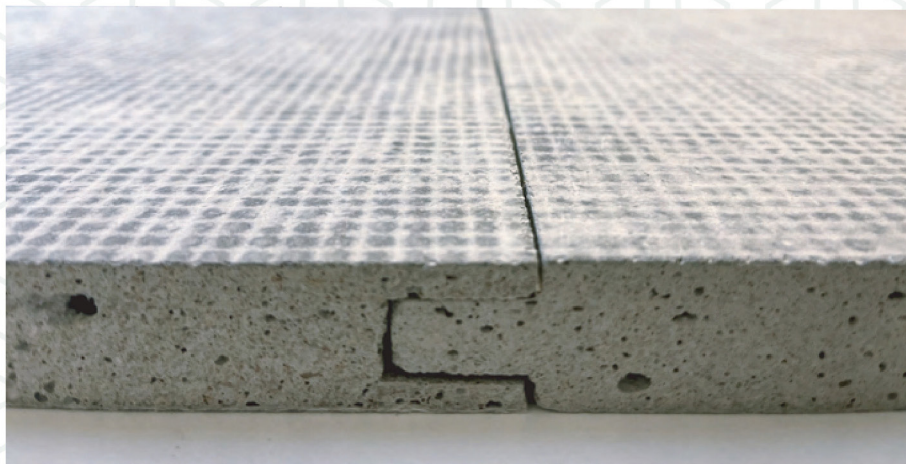
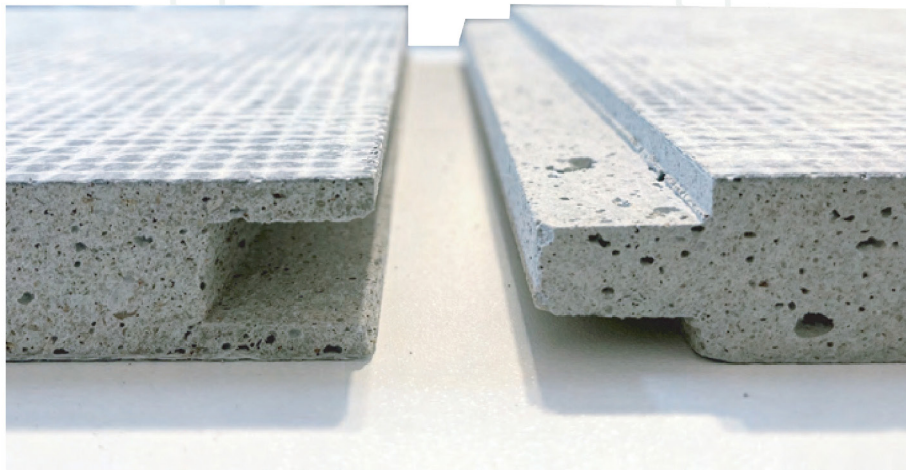


AQUALIGHT™ Flooring System

AQUALIGHT™ Cement Board - Engineered and Durable Solution

Engineered for modern construction, AQUALIGHT™ Cement Board is the smart solution for tiled flooring over timber or lightweight steel joists. Made from advanced lightweight concrete, it combines durability, stability, and ease of handling in one powerful product. Perfect for wet areas, balconies, verandahs and decks, AQUALIGHT™ is designed for residential and commercial spaces. Whether indoors or out, it delivers long-lasting performance where moisture resistance and strength matter most.

Ditch the heavy concrete and outdated particleboard-choose AQUALIGHT™ for a superior, lightweight alternative that doesn't compromise quality.







AQUALIGHT™ Technical Specifications

Extensive standardised testing and a detailed performance assessment confirm the superior quality of AQUALIGHT™ cement boards. The following table presents the verified performance characteristics for the 2mm AQUALIGHT™ cement board, ensuring reliability and compliance with industry standards.

Property	Specification	Standard / Test report
Nominal Dimensions	12×1200×2400MM (customised size available)	
Dry Density	900 kg/m ³ (±%15)	EN 12467 / AS/NZS 2908.2:2000
Dimensional Tolerance	(Level 1) ±3mm	EN 12467/ AS/NZS 2908.2:2000
Thickness Tolerance	(Level 1) ±0.6mm	EN 12467/ AS/NZS 2908.2:2000
Bending Strength	≥ 8 MPa	EN 12467/ AS/NZS 2908.2:2000
(1200mm width board) Bending Radius	2m	-
(300mm width strip) Bending Radius	1m	-
Fire Resistance Classification	Non-Combustible-A1 class	EN 13501-1:2013/ AS 1530.1:2024
Water Impermeability	There is no formation of water drops	EN 12467 :2012 Clause 5.4.5 & Clause 7.3.3
Freeze-thaw Resistance	100 Cycles	EN 12467:2012 Clause 5.5.2 & Clause 7.4.1
Fungal Resistance	No Growth	-
Bacterial Resistance	No Growth	-
Thermal conductivity	≤0.2 W/mk	
Water absorption	≤20%	-
Soundproofing	≥41 dB	GBJ75-84
Formaldehyde-Free	Yes	EN 12467
Asbestos-Free	Yes	EN 12467/AS 2004-4964
Non-Toxic	Yes	-
Thickness	3-30 mm	
Moisture content	≤10%	
Heat_rain	50 cycles	EN 12467:2012 Clause 5.5.3 & Clause 7.4.2
Warm water	56 days	EN 12467:2012 Clause 5.5.4 & Clause 7.3.5
Soak-dry	50 cycles	EN 12467:2012 Clause 5.5.5 & Clause 7.3.6

AQUALIGHT™ Validation

Validation table	European	North American	Other standards	Australian
Standard	EN 12467 EN 13501 BS 476	ASTM E 84 CAN/ULC S135 ASTM E09-9 AC 386	CNS 14705 GB 8624 JC 688	AS/NZS 2000 :2908.2 AS 2024 :1530.1 AS 2004 :4964
Mark	CE			
Key content	Reaction to fire: A1	WH APPROVED (listed by Intertek)	Qualification	
Testing Institution	 SGS Intertek	Intertek 	 MA CNAS	Intertek

ISO 14001
Environmental Quality

ISO 9001
Quality System Approved

Austarlian Standard Test Reports



AS/NZS 2000 :2908.2
AS 2024 :1530.1
AS 2004 :4964

EN 12467
EN 2013 :1-13501







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