



Product Identification Guide



An industrial company with a proven history and a promising future

etex inspiring ways of living

What we do

Improving our customers' quality of living with ever more effective lightweight solutions.



Building Performance

Leader in plasterboards and fibre cement boards, and the global reference in passive fire protection solutions for the residential and commercial segments.



Exteriors

Provider of innovative, durable, high performance and beautiful fibre cement exterior materials for architectural, residential and agricultural projects.



Industry

Front runner of engineering expertise to drive the future of high performance thermal and acoustic insulation as well as passive fire protection in the industrial, aerospace and energy sectors.



New Ways

New Ways offers high-tech, lightweight, factory-assembled panel and modular solutions based on timber and steel framing.

Strong manufacturing global footprint



■ Operating country
 ■ Other country with teammates
 ■ Export country

>140

Sites, plants, quarries, offices.

45

Operating countries

>13,500

Teammates

Our main Commercial Brands across divisions

CEDRAL

DURLOCK

EQUITONE

Eternit

Euronit

Gyplac

Kalsi

PLADUR

Promat

siniat

Superboard

URSA



Kalsi fibre cement boards are the result of decades of committed effort to offer the best choice in fibre cement technology supported by Etex's worldwide network of R&D centres that provide high performance solutions.

Our raw materials, obtained from renewable sources, ensure a low carbon footprint. Cellulose is obtained from sustainable forests. Cement and aggregates from local quarries. Our low energy production processes are clean and efficient together with recycling of production waste.

Kalsi boards are the right balance of light weight, strength and durability.

Resistant to water, mold growth, impact and harsh weather conditions, our fibre cement solutions are the best alternative for builders and home owners who are ready to explore creative building solutions and improve their way of living.

Kalsi boards are the perfect replacement of wood, concrete and masonry in dry construction solutions.





Kalsi is the brand name of our fibre cement boards and planks.

Manufactured from a precise combination of cement, silica and cellulose, the boards are cured and stabilised in an autoclave -- a special process involving steam, high temperatures and pressure -- that ensures optimum dimensional stability and mechanical resistance.

Kalsi fibre cement boards and planks are durable and highly resistant to most environmental conditions. They are the best alternative to wood, concrete and masonry constructions.

Kalsi fibre cement boards and planks are manufactured in modern production facilities around the Asia Pacific region. The company's factories meet the international benchmarks for quality and environmental impact.

Products & System selector

	Ceiling	Partition	Lightweight Floor	Wet Area	Roof Underlay	Eaves and Soffits
KalsiFlex	●	●	●			●
KalsiGroove™	●	●		●		●
KalsiFloor			●	●		
KalsiFloor Klick			●	●		
KalsiWAB	●	●		●	●	
KalsiCTU			●	●		

Kalsi is the perfect balance of resistance, durability, and functionality.

Benefits



Resistant to the attack of termites, insects and other vermin



Moist, mould and water resistant



Wide variety of thicknesses and applications



Impact resistant



Dimensionally stable



Easy to work and install



041-081



HKGLS Code No.
GL-008-011
Certification No.
HK02262

Working with certified materials brings peace of mind.

General Technical Properties

Dimensional Conformity (tested to AS/NZS 2908.2)		Pass
Length	mm	± 8
Width	mm	± 5
Thickness		± 10%
Straightness of edges	mm/m	3
Squareness of edges	mm/m	4
Density (tested to AS/NZS 2908.2)	kg/m ³	≥1250
Modulus of rupture (tested to AS/NZS 2908.2) (Type A – Category 3 average)	MPa	> 7.0
(Type B – Category 3 average)	MPa	> 10.0
Water permeability (tested to AS/NZS 2908.2)		Pass
Moisture content (tested to ASTM C1185)		≤15%
Water absorption (tested to ASTM C1185)		≤33%
Moisture movement (tested to ASTM C1185)		≤0.04%
Thermal conductivity (tested to ASTM C518-76)	W/m ² K	0.27

Reaction To Fire

Combustibility (EN13501-1+A1)		A1 Non-Combustible
Surface spread of flame (tested to BS 476 Part 7)		Class I
Fire propagation index (tested to BS 476 Part 6)		I = 1.6
Heat and Smoke Release (tested to AS/NZS 3837)		Group I
Fire Hazard Properties (tested to AS/NZS 1530.3)		
Ignitability Index		0
Spread of Flame Index		0
Heat Evolved Index		0
Smoke Developed Index		0-1



KalsiFlex

KalsiFlex is a cost-effective multi-purpose fibre cement board designed especially for all manner of versatile applications in both dry and wet areas. It is a lightweight yet durable board that offers exceptional dimensional stability, superior fire performance and years of functional service.

KalsiFlex is suitable for ceiling and eave lining, partitions, gable ends, external wall cladding, panelling and other building applications.

KalsiFlex comes with a smooth surface and square edges are easy to work on and offers an excellent base for a good paint finish surface.

Benefits:

- Resistant to the attack of termites, insects and other vermin
- Moist, mould and water resistant
- Wide variety of thicknesses and applications
- Impact resistant
- Dimensionally stable
- Easy to work and install

Dimensions

Thickness (mm)	Width (mm)	Length (mm)	Weight per m ² of sheet (kg/m ²)	Applications
4.5	1200	2400	± 10.65	
4.5	1200	2700	± 6.39	
4.5	900	2400	± 6.39	
4.5	900	2700	± 6.39	• Suspended ceilings
4.5	900	3000	± 6.39	• External ceiling lining
4.5	750	2400	± 6.39	• Soffit & eaves lining
4.5	600	2400	± 6.39	
4.5	450	2400	± 6.39	
4.5	300	2400	± 6.39	
6	1200	2400	± 8.52	• Suspended ceilings
6	1200	2700	± 8.52	• External ceiling lining
6	1200	3000	± 8.52	• Soffit & eaves lining
9	1200	2400	± 12.78	• Subfloor enclosure
9	1200	2700	± 12.78	• Wall lining



KalsiGroove™

KalsiGroove™ is a decorative fibre cement board which is 7.5mm thick with a 2.5mm deep, 5mm wide V-shaped groove, at 100mm centres, which replicates a traditional tongue and groove style panelling.

KalsiGroove™ is the ideal solution for the most demanding internal wall applications subject to high traffic or humid conditions.

Benefits:

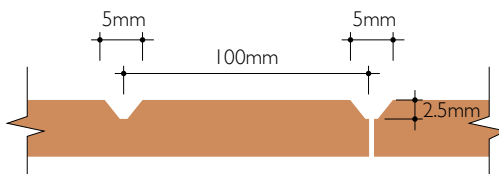
- Resistant to the attack of termites, insects and other vermin
- Moist, mould and water resistant
- Wide variety of thicknesses and applications
- Impact resistant
- Dimensionally stable
- Easy to work and install

Application:

- Partitions in living areas
- Soffits and Eaves
- High traffic locations of corridors, shopping centres and schools

Dimensions

Thickness (mm)	Width (mm)	Length (mm)	Weight per m ² of sheet (kg/m ²)
7.5	1200	2400	± 10.65
7.5	1200	2700	± 10.65
7.5	1200	3000	± 10.65



KalsiGroove™ profile

KalsiFloor

KalsiFloor is a strong fibre cement panel suitable for commercial and portable building flooring applications. It can be directly finished (with carpet or vinyl tiles) in residential projects or offices, or with reinforced mortar screed in industrial and heavy duty applications.

KalsiFloor is a superb alternative to concrete slabs flooring because it is an incredible lightweight solution with excellent mechanical strength.

KalsiFloor being a dry construction system, is fast and clean to install; saving time and resources on concrete casting and curing.

Benefits:

- Resistant to the attack of termites, insects and other vermin
- Moist, mould and water resistant
- Wide variety of thickness and applications
- Impact resistant
- Dimensionally stable
- Easy to work and install
- Non-combustible

Application:

- Lightweight flooring renovation, mezzanines

Dimensions

Thickness (mm)	Width (mm)	Length (mm)	Weight per m ² of sheet (kg/m ²)
18	1200	1500	± 25.56
18	1200	1800	± 25.56
18	1200	2400	± 25.56
18	1220	2440	± 25.56
20	1200	1800	± 28.40
20	1200	2400	± 28.40
20	1220	2440	± 28.40



KalsiFloor Klick

KalsiFloor Klick uses a standard tongue and groove jointing method allowing simply and fast installation of sheets. This feature also allows seamless integration with various timber based flooring products.

Compared to wood based panels, KalsiFloor Klick is advantageous due to its superior moisture, impact and fire resistance while being an excellent substrate to install ceramic tiles.

KalsiFloor Klick is a non-combustible fibre cement panel, manufactured from a precise combination of cement, silica and natural organic reinforcing fibres. During the production, the boards are cured and stabilised in an autoclave process involving high temperature and pressure, ensuring a final product with optimum dimensional stability and exceptional mechanical properties to deliver superior building performance.

Benefits:

- Resistant to the attack of termites, insects and other vermin
- Moist, mould and water resistant
- Wide variety of thickness and applications
- Impact resistant
- Dimensionally stable
- Easy to work and install
- Non-combustible

Application:

- Lightweight flooring renovation, mezzanines

Dimensions

Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/m ²)
19	600	2700	± 27



KalsiWAB



KalsiWAB fibre cement board is a great wet area and high traffic lining for dry construction applications. KalsiWAB has a smooth, sanded surface and rebated edges allowing the boards to be set and finished to a high level. Immune to long-term moisture exposure, KalsiWAB fibre cement board do not feed or promote mould growth in humid areas. Its delamination strength, can be up to 70% higher than a water resistant plasterboard.

KalsiWAB fibre cement board, offer a very low moisture movement, which makes it a very stable and robust substrate for ceramic and stone tiling, painting or your chosen wall finish. The board will not bow or deform during service.

Benefits:

- Resistant to the attack of termites, insects and other vermin
- Moist, mould and water resistant
- Wide variety of thicknesses and applications
- Impact resistant
- Dimensionally stable
- Easy to work and install

Application:

- Partitions in wet areas like Industrial kitchens, labs, washrooms and bathing areas
- High traffic locations of hospitals, corridors, shopping centres and schools

Dimensions

Thickness (mm)	Width (mm)	Length (mm)	Weight per m ² of sheet (kg/m ²)
9	1200	2400	± 12.78
9	1200	2700	± 12.78
9	1200	3000	± 12.78

6 & 12mm available to special order



KalsiCTU

KalsiCTU fibre cement board is a great Ceramic Tile backer board for dry construction applications. Immune to long-term moisture exposure, KalsiCTU fibre cement boards do not feed or promote mould growth in humid areas. Its delamination strength, can be up to 70% higher than a water resistant plasterboard.

KalsiCTU fibre cement board, offers a very low moisture movement, which makes it a very stable and robust substrate for ceramic and stone tiling; the board will not bow or deform during service.

Benefits:

- Wide variety of thicknesses and applications
- Dimensionally stable
- High delamination strength and impact resistant
- Moist, mould and water resistant
- Resistant to attack of termites, insects and mould growth
- Easy to install and work with (easily nailed and cut with conventional tools)
- Environmental-friendly, no harmful gas emission
- Non combustible

Application:

- As a tile substrate over existing or new reconstituted wood floors (e.g. plywood, particle board and Oriented Strand Board (OSB) and tongue and groove timber.
- As a wet area lining for bathrooms, kitchens, laundries and internal rooms with high humidity.

Dimensions

Thickness (mm)	Width (mm)	Length (mm)	Weight per m ² of sheet (kg/m ²)
6	900	1800	± 8.52
6	1200	1800	± 8.52





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Disclaimer:

The sole purpose of images, references and recommendations in this document is to illustrate the functionality and versatility of the products and solutions from Kalsi and the proven international expertise of Etex Group. Note that the successful performance of the product & solutions depends on numerous factors outside Etex Building Performance control (quality of workmanship, design, handling and storage procedures, etc.)



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