



UAC PRODUCT BROCHURE



INTRODUCTION

UAC Berhad is Malaysia's leading manufacturer of eco-friendly cellulose fibre cement products. Established in 1963, UAC currently supplies its products to more than 60 countries around the world.



We are the pioneers of a comprehensive range of innovative products including flat boards, patterned boards, eave linings, skirtings and cornices, planks and panels, woodlike strips, and flush-jointable flat boards. They are widely used in the residential, commercial, institutional, industrial, and leisure and hospitality sectors.

UAC Berhad obtained the stringent Environmental Product Declaration (EPD) by the Institute Construction and Environment (Institut Bauen und Umwelt e.V.) of Germany in 2010, based on life cycle impacts, in accordance to ISO 14025 and EN 15804. UAC Berhad is also the only Asia-based fibre cement manufacturer approved by the British Board of Agrément (BBA).

UAC products are classified as green and eco-friendly, having received awards and certifications from the Singapore Green Label administered by the Singapore Environment Council, SIRIM Eco-Label, MyHijau Mark, Korea Healthy Building Mark, Korea Eco Label, Taiwan Green Building Material, and the UK Green Apple Award.

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SIRIM
ECO-LABEL
Eco-Friendly Fibre
Cement Flat Sheets
SIRIM ECO 021 : 2010
Certification No.: EL000022



SIRIM



SIRIM
Certified to BS 476 : PART 6 : 1989 + A1 : 2009
BS 476 : PART 7 : 1997
Certification No.: LU 001801



SIRIM
Certified to MS 1206 : 2010
Certification No.: PU 001804



SIRIM
Certified to NEN-EN 12407 : 2004
Certification No.: PU 001808



SIRIM
Certified to MS ISO 45001 : 2018
Certification No.: QHS 00295



SIRIM
Certified to MS ISO 9001 : 2015
Certification No.: QMS 00199



UKAS



SIRIM



Certified to MS ISO 14001 : 2015
Certification No.: 00752



UKAS

SolidPanel



UAC SolidPanel is a lightweight precast solid-infilled sandwiched wall panel system using UAC fibre cement sheets to provide a solid structure and superior quality wall-finishes to ensure a straight and smooth wall after completion.

UAC SolidPanel conforms to the Uniform Building By Laws Malaysia and has gone through the most stringent wall performance test by SIRIM Malaysia and TUV PSB in Singapore. It is also certified as a Full-Scored Industrial Building System (IBS Factor 1.0) by CIDB Malaysia.

UAC SolidPanel complies with the fire rating, soundproofing, and thermal insulation requirements. It eliminates the need for plastering and skim coating, thus involving fewer skilled workers on site and improving site safety and cleanliness due to its quick and easy installation steps.

UAC SolidPanel is suitable for use in different types of buildings (hospitals, schools, high-rise & modular buildings, etc.) as partitions, internal and external walls, fencing, and more.

BENEFITS



Involves fewer skilled workers on site



Fire rating up to 4 hours



Allows for fast-track construction



Good thermal resistance



Durable



Lightweight
(Density of 600-700kg/m³)



Heavy-duty impact resistant



Good sound insulation
(Up to STC 55dB)



Strong anchorage capacity



Factor 1.0

UAC SolidPanel is a solid, smooth-surfaced panel for constructing high-quality walls. It is easy to install, improves site safety and cleanliness, and requires fewer skilled workers on site.

SYSTEM SPECIFICATIONS

To supply & install UAC SolidPanel T75/T100:

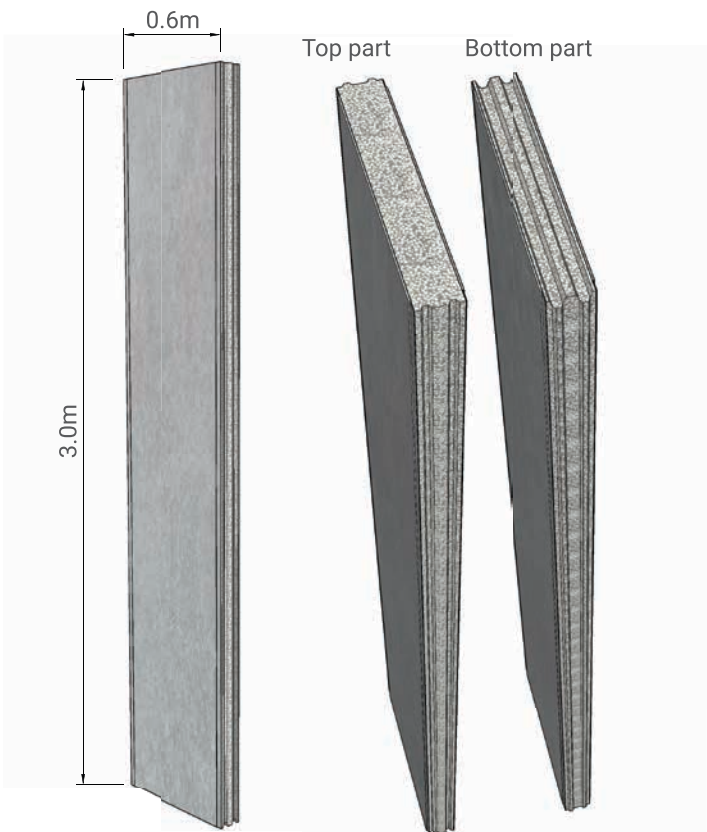
L-angle method: Fix 38mm × 38mm × 150mm × 2mm thick L-angle bracket to top support and 2400mm × 64.6mm × 0.75mm (for T75) or 2400mm × 91.4mm × 0.75mm (for T100) bottom track.

Top track method: Fix 77mm × 48.5mm × 1mm × 2400mm (for T75) or 102mm × 48.5mm × 1mm × 2400mm (for T100) top track and 2400mm × 64.6mm × 0.75mm (for T75) or 2400mm × 91.4mm × 0.75mm (for T100) bottom track.

All joints are to be sealed with UAC-approved high-strength cement adhesive (refer to manufacturer's method statement) and flush-jointed with perforated paper tape or fibre mesh netting and UAC jointing compound as per manufacturer's specifications.

Windows and door openings require to be fixed with Lintel Brackets. All termination joints between reinforced concrete or steel structures and SolidPanel must be sealed with approved equivalent modified sealant. All to be fixed in accordance to the manufacturer's or Superintendent Officer's recommendation.



SYSTEM COMPONENTS & SPECIFICATIONS



CERTIFICATIONS

- Fire Rated 2 & 4 Hours
Test Report
BS 476 : Part 22 : 1987
- Sound Insulation
ISO 10140-2 : 2010
- Thermal Insulation
ISO 8990 : 1994
- Performance Test
BS 5234 : Part 2 : 1992
- Load Bearing Test
Compression Test ASTM
ASTM E72-15

DIMENSIONS

	Width (mm)	Thickness (mm)	Length (mm)	Weight (kg/m ²)	Fire Rated (hours)	Density (kg/m ³)
 SolidPanel T75	600	75	2400, 2700, 3000	55	2	600 - 700
 SolidPanel T100	600	100	2400, 2700, 3000	70	2	600 - 700



UAC SolidWall



UAC SolidWall is a solid, cast in-situ, non-load-bearing, and certified IBS wall system with an IBS factor of 0.7 that fits into modern-day commercial, institutional, and residential building construction.

UAC SolidWall comprises of UAC fibre cement sheets fixed onto metal studs and infilled with lightweight cement infill. It complies with the requirements for thermal insulation, wet area applications, and impact strength.

UAC SolidWall system can be designed for strong wind loading areas and high wall applications. UAC SolidWall reduces the building's total structural cost and increases useable spaces without compromising on the wall properties.

UAC SolidWall is certified by Bomba Malaysia (Fire and Rescue Department of Malaysia) to have a fire rating up to 4 hours and an earthquake resistance up to 6 M_L on the Richter scale.

SYSTEM SPECIFICATIONS

To supply & install UAC SolidWall system:

Use 6mm/9mm-thick UAC Vistabord or UAC Flexabord on both sides. Fix onto 0.75mm-thick G.I. metal studs at 610mm c/c max. System completes with lightweight cement infill.

All joints are to be flush-jointed with perforated tape and UAC jointing compound.

All termination joints between RC or steel structures and SolidWall must be sealed with approved equivalent modified sealant. All to be fixed in accordance to the manufacturer’s or Superintendent Officer’s recommendation.

BENEFITS



Cleaner and safer construction site



Fire rating up to 4 hours



Strong anchorage



Allows for fast-track construction



Good thermal insulation



Lightweight
(Density of 800-1100kg/m³, 3× lighter than brick walls)



Impact-resistant



Good sound insulation
(Up to STC 55dB)



Factor 0.7



Durable (Impervious to permanent water damage and high humidity, does not warp, crack, or split easily)

CERTIFICATIONS

- Fire Rated 2 & 4 Hours Test Report - BS 476 : Part 22 : 1987
- Sound Insulation - ISO 10140-2 : 2010
- Thermal Insulation - ISO 8990 : 1994
- Performance Test - BS 5234 : Part 2 : 1992

DIMENSIONS

	Nominal Thickness (mm)	Reference Standard	Results
Fire Rating	76, 104, 137, 168	BS 476 : Part 22	2, 4 hours
Sound Insulation	104 137	ASTM E90	STC 46dB STC 55dB
Thermal Insulation	104	ISO 8990	R value = 0.31m ² .K/W (k value = 0.614 W/m.K)
Lightweight (Core Mix Density)			900-1300 kg/m ³



UAC Superflex



UAC Superflex is the ultimate multipurpose building board that comes with a smooth texture and a square edge profile. UAC Superflex is suitable for many general building purposes, including ceilings and wall partitions, whether internally or externally. It is ideal for gable ends, façades, eaves lining, soffits, permanent formwork, and substrate flooring.

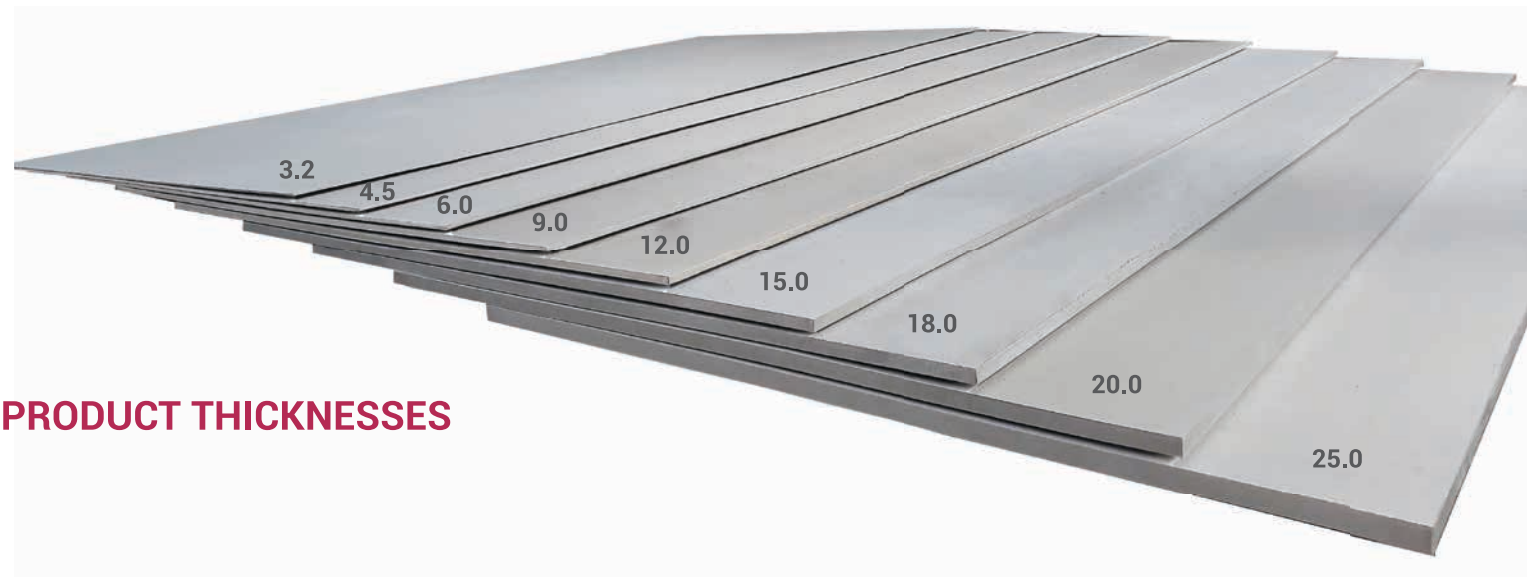
UAC Superflex comes in a wide range of thicknesses, from 3.2mm up to 25.0mm, to cater for multipurpose applications of the toughest construction jobs.

APPLICATIONS

Thickness	3.2mm	4.5mm	6.0mm	9.0mm	12.0mm	15.0mm	18.0mm	20.0mm	25.0mm
Internal Wall Lining			•	•	•	•	•		
External Wall Cladding			•	•	•	•	•		
Flooring						•	•	•	•
Permanent Formwork						•	•	•	•
Gable End			•	•	•				
Façade				•	•	•			
Backer / Sheeting Board		•	•	•	•				
Ceiling	•	•	•						
Soffits	•	•	•						
Eaves Lining	•	•	•						

Dimensions (mm)	Nominal Weight (kg)
595 × 595 × 3.2	1.71
603 × 603 × 3.2	1.76
610 × 610 × 3.2	1.80
1195 × 595 × 3.2	3.43
1213 × 603 × 3.2	3.53
1220 × 610 × 3.2	3.60
1220 × 1220 × 3.2	7.19
2440 × 1220 × 3.2	14.38
1220 × 610 × 4.5	5.06

Dimensions (mm)	Nominal Weight (kg)
1220 × 1220 × 4.5	10.11
2440 × 1220 × 4.5	19.80
2440 × 1220 × 6.0	26.97
2440 × 1220 × 9.0	40.45
2440 × 1220 × 12.0	53.94
2440 × 1220 × 15.0	67.42
2440 × 1220 × 18.0	80.91
2440 × 1220 × 20.0	89.90
2440 × 1220 × 25.0	112.37



PRODUCT THICKNESSES

BENEFITS



Quick Installation



Smooth Surface



Water-Resistant



Dry Construction



Tough and Flexible



Durable



Cooling



Non-Hazardous



Fire-Resistant



Termite-Proof



Cost Effective



Versatile in Applications



Versatile in Surface Finishes



Rot-Free



UAC Vistabord

UAC Flexabord



UAC Vistabord and UAC Flexabord are both premium boards made for the exclusives who only want the best. UAC Vistabord is a sanded, smooth-surfaced board with a recessed edge, whereas UAC Flexabord is an unsanded-surfaced board with a recessed edge.

The recessed edge profile makes UAC Vistabord and UAC Flexabord the ultimate flush-jointable boards for creating seamless joints and transforming an entire wall or ceiling into a smooth, flat surface. UAC Vistabord and UAC Flexabord are the perfect combination of exclusive design and material strength.

APPLICATIONS

- Façade
- Ceiling
- Gable End
- Soffits
- Internal Wall Lining
- External Wall Cladding



IMPERIAL

Dimensions (mm)	Nominal Weight (kg)
2440 × 1220 × 6.0	27.0
2440 × 1220 × 9.0	40.5
2440 × 1220 × 12.0	53.9

METRIC

Dimensions (mm)	Nominal Weight (kg)
2400 × 1200 × 6.0	26.1
2400 × 1200 × 9.0	39.1
2400 × 1200 × 12.0	52.2



PRODUCT DESIGNS

UAC Vistabord

Sanded

Recessed Edge



A pinkish, sanded, smooth-surfaced, recessed edge board.

UAC Flexabord

Unsanded

Recessed Edge



A pinkish, unsanded, smooth-surfaced, recessed edge board.

UAC DecoWood



Inspired by the beauty of natural timber, UAC DecoWood is developed with the elegance of natural wood while maintaining the inherent durability and toughness of high-quality fibre cement. UAC DecoWood challenges the disadvantages of natural wood by being fire-resistant, rot-free, and weatherproof, whilst keeping the timber appeal.

UAC DecoWood is ideal for both internal and external applications, including stair risers and treads, ceilings, feature walls, louvres, decking, fencing, and more. Applying suitable paint onto UAC DecoWood helps to achieve a long-lasting woodlike finish. UAC DecoWood also comes in a variety of widths and thicknesses to fit your construction and renovation needs.

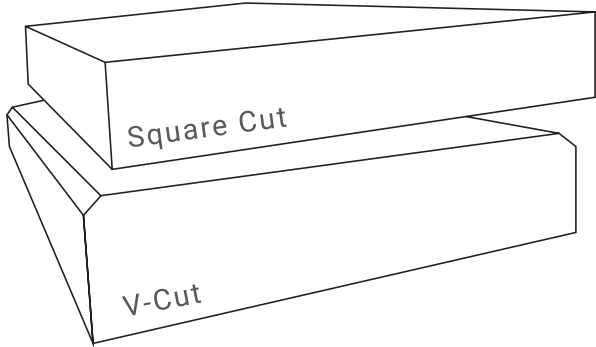


Dimensions (mm)	Nominal Weight (kg)
2400 × 75 × 6.0	1.6
2400 × 100 × 6.0	2.2
2400 × 75 × 9.0	2.4
2400 × 100 × 9.0	3.3
2400 × 75 × 12.0	3.3
2400 × 100 × 12.0	4.3
2400 × 150 × 20.0	10.9
2400 × 200 × 20.0	14.5
2400 × 150 × 25.0	13.6
2400 × 200 × 25.0	18.1

SURFACE FINISHING



EDGE FINISHES



BENEFITS



Quick Installation



Durable



Fire-Resistant



Eco-Friendly



Woodlike Appearance



Low Maintenance



UV-Resistant



Termite-Proof



Non-Hazardous



Rot-Free



Versatile in
Surface Finishing



Aesthetic Design



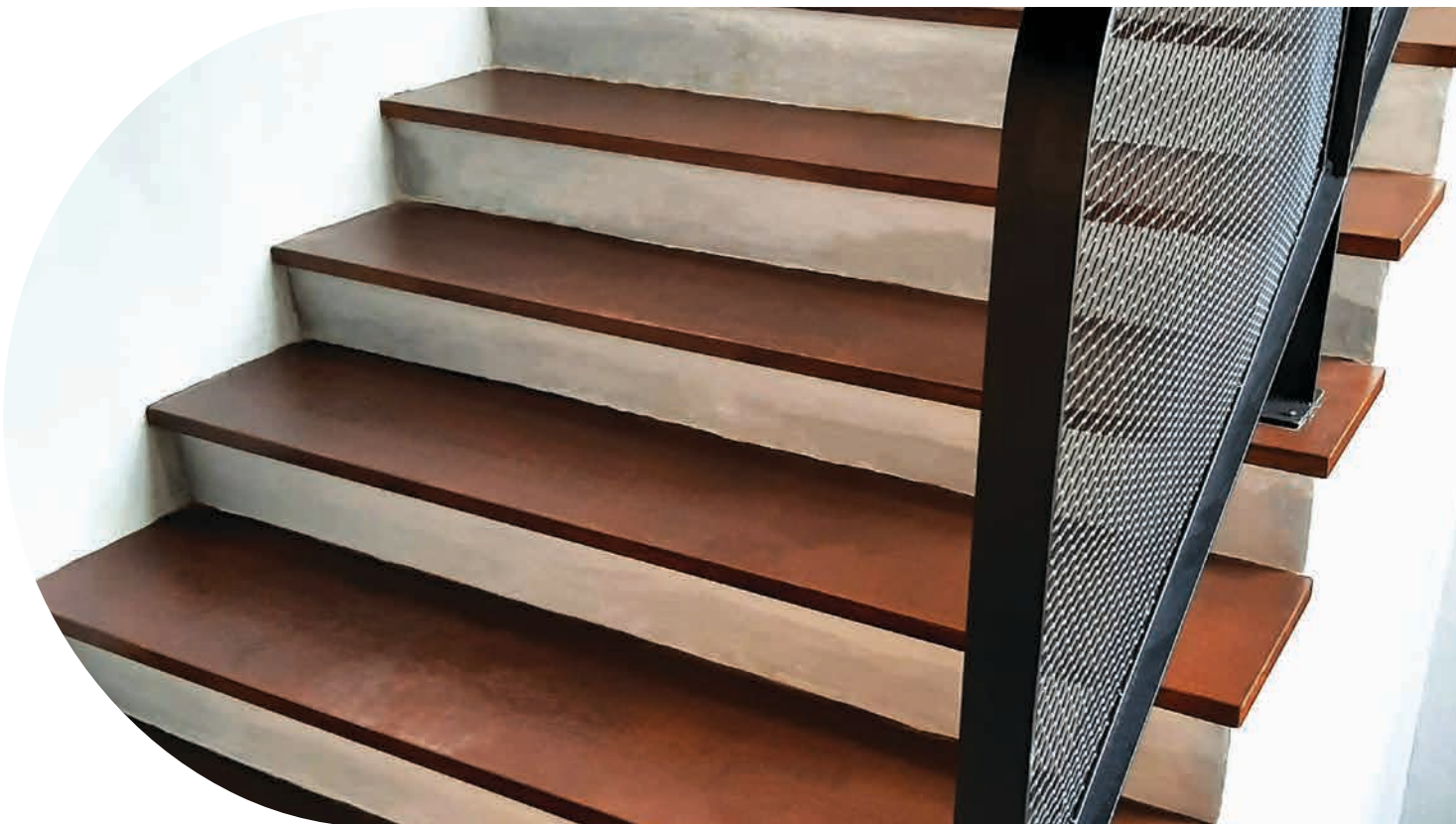
Cooling

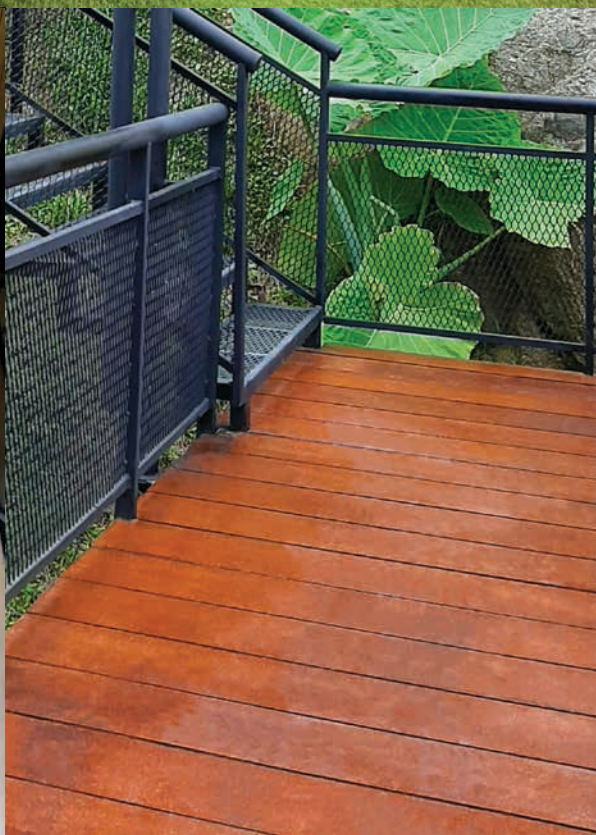


Dry Construction

APPLICATIONS

- Louvres
- Fascia
- Feature Wall
- Sunscreens
- Internal Wall Cladding / Siding
- Fencing
- Ceiling
- Gable End
- Soffits
- External Wall Cladding / Siding
- Skirting
- Decking
- Staircase Risers & Treads*







UAC Plank combines the aesthetics of timber with the toughness of fibre cement. Coming in two variations, UAC Plank Smooth is a non-textured plank for simplicity and naturality, whilst UAC Plank Sedartex Woodgrain has a permanent woodgrain texture to resemble a natural wood plank. Both are available in a variety of thicknesses.

APPLICATIONS

- Louvres
- Fascia
- Soffits
- Feature Wall
- Ceiling
- Gable End
- Fencing
- Internal Wall Cladding / Siding
- External Wall Cladding / Siding

Texture	Dimensions (mm)	Nominal Weight (kg)
Smooth / Sedartex Woodgrain	3660 × 160 × 7.5	6.6
Smooth / Sedartex Woodgrain	3660 × 230 × 7.5	9.5
Smooth / Sedartex Woodgrain	3660 × 160 × 9.0	8.0
Smooth / Sedartex Woodgrain	3660 × 230 × 9.0	11.4
Smooth	3660 × 230 × 12.0	15.3

SURFACE FINISHING



Plank Shiplap



UAC Plank Shiplap transforms the appearance of plain walls into an appealing wood covering, smartly assembled for external and internal wall cladding, gable end, feature walls, ceilings, soffits, fascia, and eaves lining.

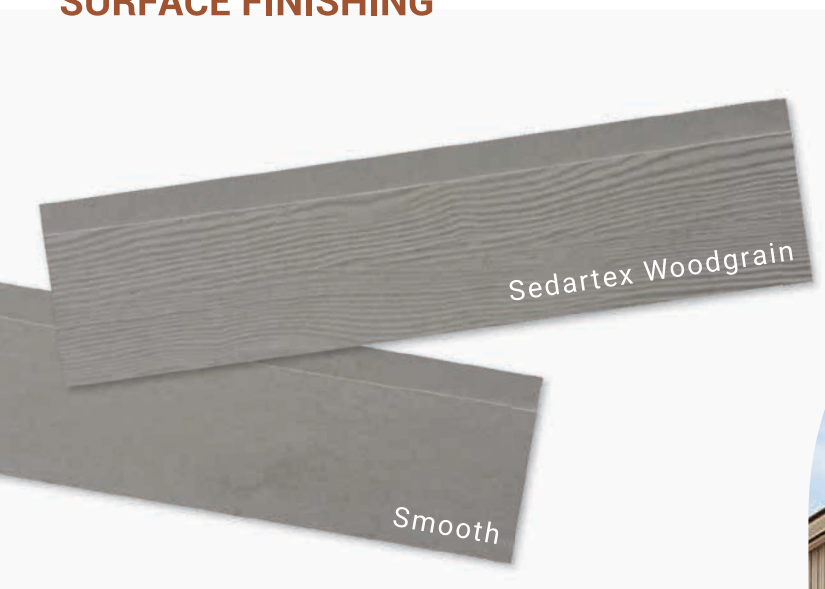
UAC Plank Shiplap has a profiling edge on both sides of the plank and is designed to resemble the beauty of natural timber. It is suitable for all types of buildings due to its high resistance to weather and UV radiation.

APPLICATIONS

- Soffits
- Gable End
- Ceiling
- Feature Wall
- Internal Wall Cladding / Siding
- External Wall Cladding / Siding

Texture	Dimensions (mm)	Nominal Weight (kg)
Smooth / Sedartex Woodgrain	3660 × 150 × 7.5	6.2
Smooth / Sedartex Woodgrain	3660 × 150 × 9.0	7.5

SURFACE FINISHING



Skirting



UAC Skirting protects the joints between the wall and the floor effectively from rot, kicks, scuffs, abrasions, and furniture scratches. UAC Skirting is easily installed and it also provides a decorative value when installed as wall-to-floor skirting or wall-to-ceiling cornices.

APPLICATIONS

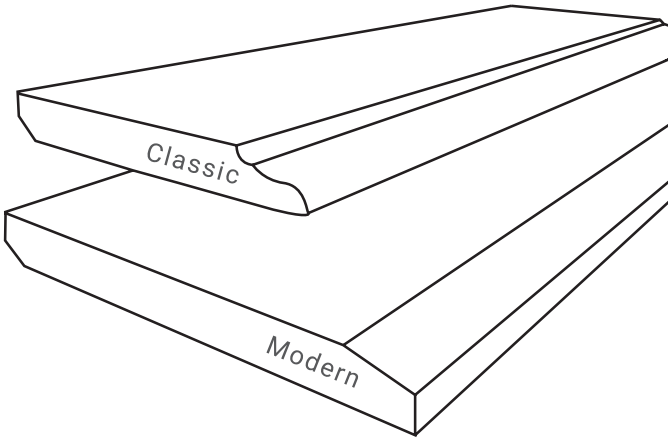
- Skirting
- Cornice
- Architrave

Dimensions
(mm)

Nominal Weight
(kg)

2400 × 100 × 9.0	2.4
2400 × 100 × 12.0	3.0

EDGE FINISHES



SURFACE FINISHING





Establish the boundaries of your property through the sturdy and weather-resistant UAC Fence that guarantees the security and privacy of your home.

UAC Fence is available in arrow, square, and round edges. Paint it in your favourite colours for an exquisite finish and trim it to any desired dimension to fit your creativity and aesthetics.

APPLICATIONS

- Fencing
- Decorative Gates

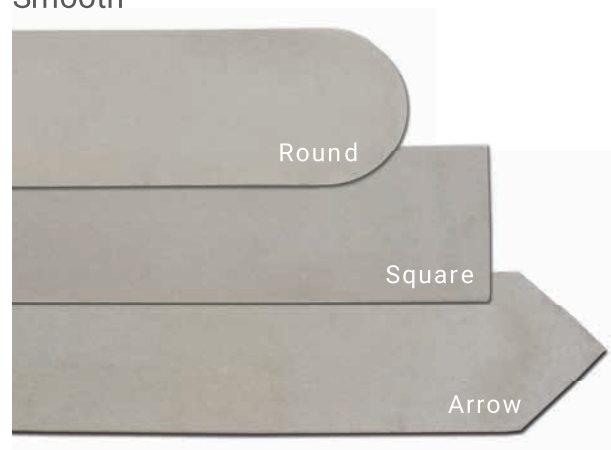
Dimensions
(mm)

Nominal Weight
(kg)

1220 × 115 × 7.5	1.6
1220 × 160 × 7.5	2.2
1830 × 115 × 7.5	2.4
1830 × 160 × 7.5	3.3
2440 × 115 × 7.5	3.2
2440 × 160 × 7.5	4.4
1220 × 115 × 9.0	1.9
1220 × 160 × 9.0	2.7
1830 × 115 × 9.0	2.9
1830 × 160 × 9.0	4.0
2440 × 115 × 9.0	3.8
2440 × 160 × 9.0	5.3

SURFACE FINISHING

Smooth



Woodgrain



Supertex Panel



Adorn your walls with the appealing looks of natural wood from UAC Supertex Panel with a woodgrain texture. It imitates the aesthetics of natural wood texture, capturing the allure of timber while eliminating its limitations by being rot-free and termite-proof. The panels blend ideally as a feature wall, gable end, or external and internal wall cladding.

APPLICATIONS

- Ceiling
- Soffits
- Fencing
- Gable End
- Feature Wall
- Internal Wall Cladding / Siding
- External Wall Cladding / Siding

Dimensions (mm)

2440 × 1216 × 6.0

Nominal Weight (kg)

28.0

SURFACE FINISHING



Supertex Woodgrain





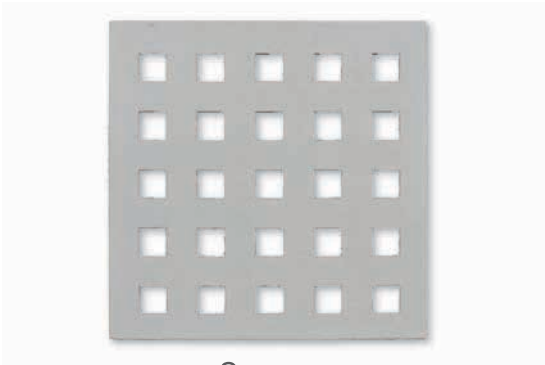
UAC Lattice is a must-have decorative addition to properties to enhance building aesthetics. Versatile, inexpensive, and long-lasting, UAC Lattice comes in two designs, square and diamond, and is suitable to be used as room dividers, pergolas, fencing, privacy screens, windbreakers for barbeque areas and pool sides, feature panels, patios, verandas, and more.

APPLICATIONS

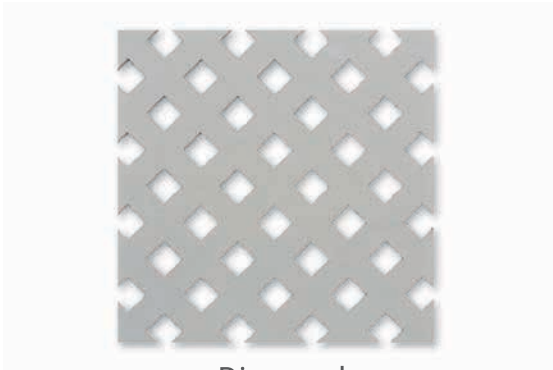
- Screens
- Fencing
- Gable End
- Balustrade

Designs	Dimensions (mm)	Nominal Weight (kg)
Square/Diamond	2440 × 1220 × 6.0	19.7

PRODUCT DESIGNS



Square



Diamond





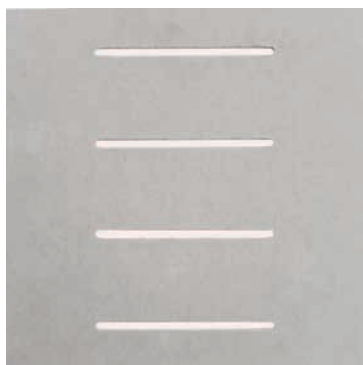
UAC Duravent is developed to minimise the heat often trapped in buildings in extreme tropical weather. Made from robust cellulose fibre cement, UAC Duravent is perfect as external eaves lining in homes and buildings because it is designed with pre-engineered slotted vents, defining itself as the best solution for air ventilation that results in a cooler and more comfortable building.

APPLICATIONS

- Ceiling
- Soffits
- Eaves Lining

Dimensions (mm)	Nominal Weight (kg)
1220 × 610 × 3.2	3.3
1220 × 1220 × 3.2	6.4
1220 × 610 × 4.5	4.5
1220 × 1220 × 4.5	9.0

PRODUCT DESIGN





WARRANTY

The recommendations in this brochure are formulated along the lines of good building practice. However, this brochure is not intended to be an exhaustive statement of all relevant data.

As the success of building projects depends on many factors outside UAC's control (e.g. quality of workmanship, particular design detail requirements, etc). UAC accepts no responsibility or liability for or in connection with the quality of the projects or their suitability when completed.

For a warranty period of one year from date of delivery of UAC's products ("UAC Products") to the purchaser ("Warranty Period"), UAC warrants that the UAC Products are free from defects which are solely due to materials or manufacturing faults

The foregoing warranty shall not apply to the extent that:

The defect, loss or damage is caused by any act, default, or misuse of the UAC Products (or part thereof) by the purchaser or any third party or by failure to follow any instructions or specifications of UAC or by modification of the UAC Products or installation, application, and / or combination of the UAC Products with any other product not approved by UAC or UAC is not notified in writing within the Warranty Period of any relevant defect in the UAC Products or part thereof.

Subject to such provisos, UAC will at its sole option and subject to the investigations, verifications, and inspection of such defect by a UAC representative, either (a) replace such defective UAC Product or part thereof; or (b) refund the price paid for the defective UAC product or part thereof. The liability of UAC shall include only Products with antecedent defects.

The liability cannot be extended to include Products without defects which might have been delivered at the same time as the defective Products. The foregoing shall be the sole and exclusive remedy in the event of any breach of the said warranty.

To the greatest extent permitted by any applicable law, the warranties referred to the above shall be sole and exclusive and in lieu of all implied or statutory warranties (including without limitation the implied warranties imposed by the Malaysia Sale of Goods Act 1957 and all other warranties implied by law as to merchantability, satisfactory quality, or fitness for a particular purpose, or otherwise arising from course of dealing or usage of trade) or any other express or implied warranties or representations.

To the greatest extent permitted by any applicable law, in no event shall UAC be liable to the purchaser or any other person or entity for any loss or damage including without limitation special, indirect incidental punitive, exemplary, or consequential damages, loss of profits, loss of business, or loss of use; whether based upon contract, tort, negligence, or otherwise arising out of the manufacture, sale, or delivery of the UAC Products, even if UAC has been advised of the possibility of such damage or loss.





A Member of Boustead Group

UAC BERHAD

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SIRIM
ECO-LABEL
Eco-Friendly Fibre
Cement Flat Sheets
SIRIM ECO 021 : 2010
Certification No.: EL000022



SIRIM



SIRIM
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BS 476 : PART 7 : 1997
Certification No.: LU 001801



SIRIM
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Certification No.: PU 001804



SIRIM
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Certification No.: PU 001808



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