



U | C | O

SOLIDWALL SYSTEM

PATENT PENDING PI 20090270



This sign endorses that the product is asbestos-free



CERTIFIED TO MS ISO 9001 : 2000
Registration No. : AR 0387



Innovative. Fast. Strong.



Surface finish versatility

UCO SOLIDWALL SYSTEM is a solid non-load bearing wall system which fits into modern day commercial, institution and residential building construction. It is a certified Industrial Building System (IBS).

UCO SOLIDWALL SYSTEM comprises UAC fibre cement sheets fixed onto metal studs and infilled with light weight concrete mix. It is versatile in complying to the fire-rating, sound and thermal insulation, wet application, impact strength and robustness requirements.

BENEFITS

FIRE RATED

Up to 4 hours according to British Standard (BS 476 : Part 22).

LIGHT WEIGHT

Weight of walls is approximately 3 times lighter compared to brick walls. Density is 750-850 kg/m³.

FAST TRACK CONSTRUCTION

Easily and rapidly constructed, cutting down construction time and cost compared to traditional wall construction.

HIGH QUALITY WALL FINISHING

Wall is straight with smooth surfaces.

SYSTEM SPECIFICATIONS

DESCRIPTION	REFERENCE STANDARD	RESULTS
Fire Rating (nominal thickness) - 76mm thick - 104mm thick - 138mm thick - 168mm thick	BS 476 : Part 22	- 2 Hours - 4 Hours
Sound Insulation - 104mm thick	ASTM E90	- STC 46 dB
Thermal Insulation - 104mm thick	ISO 8990	R value = 0.169 m ² K/W (k value = 0.614 W/mK)
Light Weight - Core mix density		750 - 850 kg/m ³

SURFACE FINISH VERSATILITY

Readily accepts a wide range of surface finishes, e.g. acrylic and emulsion paint, wall paper, ceramic tiles, marble, etc.

STRONG ANCHORAGE CAPACITY

Conform to BS 5234 : Part 2 requirements.

CLEANER AND SAFER CONSTRUCTION

Reduces messiness and thereafter easy to clean up at site. Also minimizes inconvenience to other trades compared to the labour- intensive conventional trade.

IMPACT RESISTANT

Scuff-resistant, offering superior impact and abrasion resistance.

DURABLE

Immune to permanent water damage and impervious to high humidity / moisture. Also does not warp, crack or split easily.

THERMAL INSULATION

R value = 0.169 m² K/W

SOUND INSULATION

Sound Transmission Class (STC) rating on 104mm thick wall is 46 dB.

SYSTEM DESCRIPTION

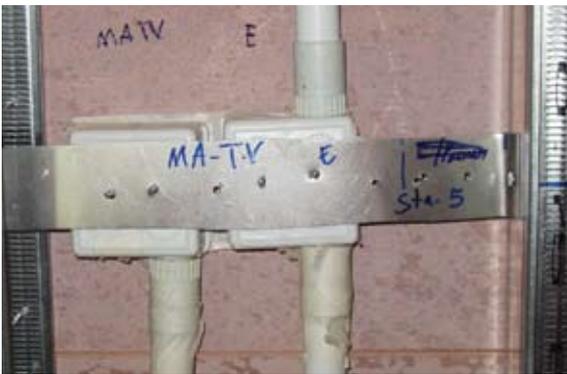
UCO SOLIDWALL SYSTEM consists of :

- UCO VISTABORD / UCO FLEXABORD**
6.0mm, 9.0mm and 12.0mm thickness.
- Fire rating – up to 4 hours.
- Wall thickness 76 mm, 104 mm, 138 mm and 168 mm.
- Light weight concrete mix.

INSTALLATION PROCEDURES



STEP 1 Fix top metal track to structural support and bottom metal track onto the floor, thereafter light gauge metal stud frame is installed.



STEP 3 Door and window frames, plumbing and electrical services can be easily installed where required.



STEP 5 Lightweight infill mixing can take place in designated areas.



STEP 7 Joint setting is done using the UCO Jointing Compound.



STEP 2 **UCO VISTABORD / UCO FLEXABORD** is fixed to one side of the metal frame.



STEP 4 Wall paneling is completed by fixing **UCO VISTABORD / UCO FLEXABORD** to the other side of the metal frame.



STEP 6 The lightweight infill mix is pumped to each floor to fill the wall cavity.



STEP 8 When completed, **UCO SOLIDWALL** can accept a wide range of finishes.

Projects Reference



WARRANTY

The recommendation 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 :

- a) 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
- b) 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) re-fund 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 Malaysian 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.

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the NAME you can TRUST

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