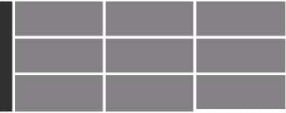


pre-cast concrete masonry unit ...



SIRIM
(Malaysia)



SIRIM
ECO-LABEL



9001:2015



Buatan Sabah

product information

product	concrete brick
code	CB 100
dimensions	215(L) X 65(W) X 100(H)mm
face size	215 X 65mm
weight	2.5 ~ 2.7 kg
strength	7 N/mm ²
pieces/sq.ft	approx. 5 pcs
pieces/sq.m	approx. 55 pcs
pcs/pallet & average weight/pallet	680 pcs - 1,700 kg
	600 pcs - 1,500 kg
brikform	

SIRIM QAS INTERNATIONAL
Product Certification Licence No : PB031701 MS 27 : 1996 & BS 476 : PT.22:1987
SIRIM Eco-Label
Eco - Label Certification Licence No : EL000019 Eco-Label Claim : Restricted hazardous substances, restricted toxic substances, recycled content materials, reduced energy consumption, reduced air pollution, waste reduction.
BOMBA
BS 476:PART 22:1987 & BS 6073:PART 1:1981 Fire Rated : 130 min insulation & integrity
ISO 8990:1994 Thermal Insulation Thermal Conductivity (k-value) : 0.96 W/m.K
Resistance of Heat Transmission (Ra-value) : 0.22m ² .K/W
Thermal Transmittance (U-value) : 4.45 W/m ² K
ISO 140-3:1995 Acoustics - Sound Insulation : 38 dB
ISO 354:2003 Acoustics - Sound Absorbption : 0.40 dB

basic guide to brickwork

1. Cement

- The cement, unless otherwise described, shall be Ordinary Portland Cement complying with MS 522.

2. Sand

- Sand for mortar shall comply with MS 29.

3. Mortar

- Mortar shall consist of one (1) part of cement to three (3) to six (6) parts of sand, with the addition of an approved mortar plasticizer used strictly in accordance with the manufacturer's instructions. The ingredients of mortar shall be measured in proper gauge boxes and shall be mixed on clean boarded platform or in an approved mechanical batch mixer.
- All mortar shall be used within 45 minutes of mixing and no remaking up of mortar shall be permitted thereafter.
- Mortar for brickwork below damp proof course or ground level shall be in the proportion of one (1) part of cement and three (3) parts of sand.

4. Water

- Water should be clean and free from contaminants deleterious to the setting of mortars. Where the water is obtained from a public supply it can be assumed that it is free from impurities that would affect the hydration mechanism of the cementitious components within the mix.

5. Brick Walling

- Ensure areas to be bricked are clean and free from debris and oils before brick laying starts.
- It is advisable not to wet pre-cast concrete masonry units before or after laid.
- All bricks shall be properly bedded in mortar and all joints shall not exceed 10mm in thickness.
- Brickwork shall be carried up perfectly true and plumb in a uniform manner. Refrain from raising one portion more than 1.2m above another at one time.
- All intersections and angles of walls shall be properly bonded together.

6. Damp Proof Course

- Unless otherwise shown in drawings, bituminous sheet damp proof courses shall be laid in brickwork on a level bed of cement mortar.

7. Expanded Mesh (Exmet)

- Approved exmet is to be laid at every fourth course of brick wall.

8. Wall Ties

- Ensure sufficient wall ties are provided at columns, door & window frames, etc.

9. Stiffeners

- To provide stiffeners if walls width and height exceeds 3m.

10. Plastering

- Since water absorption for pre-cast concrete masonry units in comparison to clay bricks are lower, it is advisable to commence plastering works 2 weeks after completion of brick wall or longer depending on weather situation. This is to provide enough time for cement mortar used for bricks laying to be set to minimize shrinkage cracks.
- Refrain from wetting brick wall before commencing plastering work.
- Where plastering are to be applied in more than 1 coat, the surface of each coat shall be scratched while still green to form key for subsequent coat with the 1st coat plastering thickness of 10mm and the 2nd coating of 5mm to a total thickness of 15mm.



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