

This is to certify that

ECOL-MEGA PANEL Unreinforced AAC Block Wall Systems

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Product description
External and internal walls for residential, institutional, commercial or industrial buildings using ECOL-MEGA PANEL Unreinforced Autoclaved Aerated Concrete (AAC) blocks laid in thin-bed mortar in accordance with AS 3700 – 2011.
Product purpose or use
The product can be used for external and internal walls. Panel dimensions are: 600 X 200 X 50mm, 600 X 200 X 75mm, 600 X 200 X 100 mm, 600 X 200 X 125mm, 600 X 200 X 150mm, 600 X 200 X 200mm.
Certificate holder
One Stop Building and Hardware Pty Ltd and LiteW8 Pty Ltd 126 Days Road, Ferryden Park, SA 5010 – Tel: 08 8243 0930, web: www.osbh.com.au

Complies with the Building Code of Australia 2014:



- Volume One BP1.1, BP1.2 and Volume Two P2.1.1 (a), (b), (c) in respect of structural performance, when designed and constructed in accordance with the relevant clauses of AS 3700 – 2011 *Masonry structures* and ECOL-MEGA PANEL Autoclaved Aerated Concrete Wall and Floor Technical Manual (Issue August 2013) and Construction Manual (Issue August 2013).
- Volume One FP1.4 and Volume Two P2.2.2 in respect of weatherproofing for external walls, if properly flashed in accordance with AS 3700-2011 Clauses 4.7, 11.6 and 12.4.16, AS 4773.2-2010 Clauses 5.6 and 9.6; and, if single leaf external walls, coated in accordance with AS 4773.1 2010 Clause 14.8.1.
- Volume One FP1.5 and Volume Two P2.2.3 in respect of damp-proofing for external walls, if provided with damp-proof courses complying with AS 3700-2011 Clauses 4.7.3 11.6 and 12.4.16, and AS 4773.2-2010 Clauses 5.6 and 9.6, and AS 4773.1-2010 Clause 14.8.2.
- Volume One JP1 and Volume Two P2.6.1 in respect of energy efficiency of walls in applications where complying thermal resistances of the walls have been determined using a thermal conductivity, k, of 0.175 W/m.K (Thermal resistance of R 0.57 m².K/W for 100 mm thick AAC units).

State Additions or Variations

- Volume One SA FP1.5, Section J States and Territory Variations
- Volume Two SA P2.2.3, NSW P2.2.3, Vic P2.6.1

Subject to the following conditions and limitations:

- Product selection, and incorporation into the building design, shall be made by a professional Architect or Engineer or other appropriate person who:
 - Has qualifications and experience acceptable to the relevant approval authorities; and
 - Has ready access to ECOL-MEGA PANEL Autoclaved Aerated Concrete Wall and Floor Technical Manual, (Issue August 2013), related to the product design and

CodeMark Certification Body			15/12/2011	2/3/2015	2/3/2018	GM-CM30025 Rev D
Global-Mark Pty Ltd, Suite 4.07, 32 Delhi Road, North Ryde NSW 2113, Australia - www.Global-Mark.com.au	Herve Michoux Managing Director	Unrestricted Building Certifier, Peter Gardner	Date of issue	Last update	Date of expiry	Certificate Number

This Certificate of Conformity is issued by an accredited certification body under arrangement with JAS-ANZ. The ABCB does not in any way warrant, guarantee or represent that the Product the subject of this Certificate of Conformity complies with the BCA, nor accepts any liability arising out of the use of the Product. The ABCB disclaims to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the product(s) referred to in this Certificate.

It is advised to check that this Certificate of Conformity is currently valid and not withdrawn, suspended or superseded by a later issue by referring to the ABCB website, www.abcb.gov.au



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installation.

2. Product installation shall be carried out by a competent tradesman under the direction of a Builder, both of whom have ready access to ECOL-MEGA PANEL Autoclaved Aerated Concrete Wall and Floor Technical Manual (Issue August 2013), and Construction Manual (Issue August 2013).
3. Installer must complete, sign and send to the Certificate Holder a Certificate of Installation when installation is completed.

Limit of the scope of certification

This certification includes the weather-proofing and damp-proofing requirements of the AAC walls, but does not apply to:

1. Control of condensation, which requires additional consideration of air-conditioning, insulation and reflective membranes; or
2. Weatherproofing of windows, door or other items built into the walls after construction. For these, frames should drain to the outside of the building (not into the cavity), frames must be properly sealed onto the window openings, windows must be properly flashed, and drips should be provided at sills.

This certification does not include assessment for applications in flood hazard areas as per BCA Volume One Clause BP1.4 nor BCA Volume Two Clause P2.1.2 nor does it include BCA Volume Two QLD P2.1.3.

Certification applies only to those Building Code of Australia parts specifically mentioned. Parts omitted are not covered by the CodeMark certification. Omission should not be interpreted as either "the part does (or does not) apply to the specific building" or "the part does apply and the system does or does not conform".

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