



CODEMARK™

Product description

The E-Build Prefabricated Masonry Wall, Floor and Roof Panel System is comprised of various sized panels made from insulating, lightweight concrete panels incorporating EPS sections, steel wire and steel C sections running along the long side of the panel to provide a wide range of design options. Accessories include U shaped Steel Brackets (non-galvanised), specified tek screws, specified mortar adhesive, specified tape that can be plastered over, low foaming PU foam, specified tape to seal between the window and wall, and a specified plaster based exterior finishing system for the walls. The floor panels are finished using a specified levelling system. The roof panels are protected from the weather using a specified roofing solution attached over timber purlins which are in turned attached to the roof panels.

Product purpose or use

The E-Build Prefabricated Masonry Wall, Floor and Roof Panel System is intended for construction of new residential buildings.

Certificate Holder

ShangDa New Type Building Materials Ltd.
2/37 Gretel Place, Hillcrest, Auckland, 0627.
Phone 027 234 3111
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CodeMark Certification Body

BEAL Certification Service Limited
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Website: www.beal.co.nz

CERTIFICATE OF CONFORMITY

This is to certify that

The E-Build Prefabricated Masonry Wall, Floor and Roof Panel System

Complies with the New Zealand Building Code:

- Performance Clause B1.3.1, B1.3.2, B1.3.3 (b), (f), (g) & (h)
 - Performance Clauses B2.3.1 (a) panels & (c) wall and roof finishing systems
 - Performance Clause E2.3.2
 - Performance Clause F2.3.1
 - Performance Clause H1.3.1
- Compliance with other clauses fall outside the scope of this certificate.

Subject to the following:

Limitations of use -

- A) an external environment above ground, with a (seismic) locality factor (Z) of up to 0.42 (Upper Hutt), in a temperate climate, with winds up to and including 55m/sec;
- B) the height of buildings shall be up to and including 10m from the finished ground level;
- C) the system shall use specific designed steel framing and shall incorporate a concrete foundation to a specific design;
- D) the system is limited to use for residential housing including Importance Class 1 and Class 2 type construction. i.e. stand-alone houses and multi-apartment dwellings, up to three stories high;
- E) the system shall be constructed in accordance with the approved technical and quality plan literature by those trained and approved by ShangDa New Type Materials Ltd.
- F. Accessories and componentry to comply with that specified in E-Build Prefabricated Masonry Wall, Floor and Roof Panel System Technical Installation Manual ; and the ShangDa New Type Materials Ltd.* Building Product Quality Plan ver 1.**
- G. Installation shall be performed by ShangDa* trained and approved installers, who shall be supervised by a Licensed Building Practitioner;
- H. Maintenance of the E-Build Prefabricated Masonry Wall, Floor and Roof Panel System, shall be in accordance with the Building Product Quality Plan ver 1**, available on request;

Conditions of certification -

- I. The Building Product Quality Plan shall be reviewed and subject to audit at their head office and building sites by the issuer at least once a year;
- J. This certificate is subject to S15 of the Building (Product Certification) Regulations 2008.

Technical information:

Information that forms part of this certificate or the basis for certification is available from the issuer on request and may be subject to a fee.

Note that this certificate may only be reproduced in its entirety.



www.jas-anz.org/register

23 February 2018

BCS-173418-CMNZ

C R Prouse
Director
BEAL Certification Service

Date of Issue

Certificate Number

This certificate is issued by an independent certification body accredited by the product certification accreditation body appointed by the Chief Executive of the Ministry of Business, Innovation and Employment (MBIE) under the Building Act 2004. MBIE does not in any way warrant, guarantee, or represent that the building method or product the subject of this certificate conforms with the New Zealand Building Code, nor accept any liability arising out of the use of the building method or product. MBIE 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 use of the building method(s) or product(s) referred to in this certificate.