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Force 10 Building System for Residential Housing - SUSPENDED

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Abbreviation

CMA-CM40031-I01-RO5

Valid from

28/04/2014

Information provider

Ministry of Business, Innovation and Employment

Author

CertMark International Pty Ltd T/A CertMark New Zealand

Information type

Product Certificate (CodeMark)

Format

Website

Description

The Force 10 Wall Panel System for Residential Housing is a Structural insulated Panel (SIP) and it consists of two steel components (stud and nog) that tab-lock together to form a rectangular steel frame. Cellulose fibre cement sheets of 6mm thickness are bonded to the frame.

The Force 10 Floor uses galvanized steel barriers and punched holes for ease of on-site assembly. The steel floor joists nest securely inside the structural bearers and are fastened together. The floor sections come in multiple module lengths.

When all bearers and joists have been screwed together the flooring sheet is fixed to the frame.

Panel widths are based on a modular width of 1000mm and heights of 2435, 2700 and 3000mm are available in a panel thickness of 76mm. Panel weights are 58, 64 and 71kg, respectively.

The Force 10 Roof trusses and purlins are cold-formed steel site manufactured from 1.2mm 500 MPa coated coil steel. Roof widths are based on 1000mm modules up to 14 metres. The roofing system consists of lightweight steel sections. All sections nest together to allow mechanical fixing. Trusses fold flat for ease of transport. Purlins are fixed by screws on top of the trusses and allow for the use of a variety of conventional roof sheeting.

Scope

Construction must be in accordance with the Force 10 Design Manual V1.5, feb 2016 and Force 10 International new Zealand Construction manual V1.0, March 2016.

- max panel height 3000mm.
- max wind speed 65m/s,
- maximum building height 10m,
- max roof pitch 20 degrees.

- Restricted to certain lining materials to meet structural, fire and sound insulation requirements.

For assistance with locating previous versions, please contact the information provider.

Notes/comments

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