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Firth RibRaft® Floor System

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Abbreviation

CM70056 Rev2

Valid from

19/03/2020

Information provider

Ministry of Business, Innovation and Employment

Author

Bureau Veritas

Information type

Product Certificate (CodeMark)

Format

PDF

Description

The Firth Ribraft® Floor System comprises of polystyrene pods, steel reinforcing, plastic spacers and Firth Ribraft® concrete. The system consists of the following components:

- Ribraft® Polystyrene Pod 1100mm x 1100mm x 220mm. 300mm thick pods are also available for deeper edge beams and internal ribs
- Firth Pod and Reinforcement spacer (300mm and 100mm)
- Firth Reinforcement chair
- Reinforcement Grade 500E
- Mesh reinforcement
- Firth Ribraft® Concrete 20 MPa or 25 MPa
- Sand blinding
- DPM (250 micron polyethelene sheet)

The Firth RibRaft® Floor System is a method of concrete floor construction, suitable for all slab-onground concrete floors for domestic or residential buildings that fall within the scope of NZS 3604:2011 Timber framed buildings.

Scope

Subject to the following conditions and limitations:

1. The Firth RibRaft® Floor System shall only be used in buildings which fall within the scope of NZS 3604:2011 – Timber-framed buildings, located:

- Where the Seismic Hazard Factor Z (defined in NZ 1170.5) is less than or equal to 0.45 (refer to Figure 6 of the Firth

RibRaft® Technical Manual January 2020)

- in any wind zones up to and including Extra High
- in areas with snow loads up to 2.0 kPa
- in all exposure zones (except microclimates)
- and where the ground Ultimate Bearing Capacity exceeds the value specified in Table 2 for the types of construction in Table 1 of the Firth RibRaft® Technical Manual January 2020.

2. The Firth RibRaft® Floor System must be designed and installed in accordance with the Firth RibRaft® Technical Manual January 2020.

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