Firth is a member of NZGBC, call us for more information about how our products can assist in achieving GreenStar and Homestar points.

**BRICK VENEER CONSTRUCTION DETAIL**

- 25 or as per SED
- 325
- 40

**CLAD FRAME CONSTRUCTION DETAIL**

- 600 crs max
top and bottom
ie 300 mm crs O/A

**RibRaft® HotEdge® System** has been designed specifically for Firth RibRaft® floors using Firth RaftMix® concrete. Unique features of the system are:

- **RibRaft® HotEdge®** is a closed cell extruded insulation - pre-meshed and plastered Foamular® high strength foam profiles are setup with Firth Ribraft® components
- The system is highly resistant to moisture retaining its R-value year after year, and is extremely strong and durable (up to 10 times stronger than expanded polystyrene insulation - EPS)
- The system has been specifically 3D modelled by BRANZ
- With the RibRaft® HotEdge® system you don’t need to increase the framing size in your design: standard 90mm framing applies
- **RibRaft® HotEdge®** is the first product on the market to offer a complete solution to the challenge of providing a durable, high performance edge insulation system which is pre-plastered and includes corner armour protection to take the knocks that occur at foundation level.

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Twenty years ago Firth created RibRaft® - New Zealand’s first pod floor system. It was revolutionary. It was ahead of its time in concept, and its promise of durability is now well-credentialed.

Following the earthquakes in the Garden City, even more innovation was applied to the RibRaft® system, which saw the development of floors designed and engineered for seismic soil types - TC1, TC2 and TC3. The most innovative of the three being the dual slab RibRaft® TC3 floor, designed to be re-levelled as often as seismic activity affects the house/floor.

Plenty have tried to replicate the original, but there is only one RibRaft® floor, and only Firth RibRaft® carries a CodeMark® certificate.

As we head into an era where energy efficiency and sustainability defines how homes are designed and built, Firth RibRaft® comes with the only integrated thermal edging that neatly and effectively assists in attaining Homestar points. Unlike ‘bolt-on’ alternatives, RibRaft® HotEdge® is installed into the sides of the slab’s boxing before RaftMix® concrete is poured. Evenly spaced Tornado screws ensure HotEdge® is fully integrated within every floor slab, creating a seamless finish for the homeowner.

For durability, seismic and thermal R-rating, get the Edge. Specify a RibRaft® HotEdge® floor.

**THE INSULATION OF HOTEDGE® HAS BEEN 3D MODELD BY BRANZ**

**HOT EDGE® PRE-PLASTERED FOAMULAR® PANEL**

- HotEdge® panels are available in 3 sizes and are pre-plastered and fabricated to ensure a perfect fit reducing deflection of around 60mm.
- Non-RibRaft® HotEdge®, you don’t need to create the thermal break in your design.
- Standard RibRaft® Framing applies.

**STEP-BY-STEP GUIDE**

1. HotEdge® panels are temporarily fixed in place around the perimeter of the RibRaft® slab, tied against the external boxing, prior to concrete pour. Note tornado screws as anchor points.

2. RibRaft® RaftMix® concrete is poured covering the angled top edge of the HotEdge® anchoring it into the slab.

3. Boxing is removed, revealing a truly integrated, aesthetically finished thermal barrier. Once wall framing and cladding is fixed in place, for optimum service life and insulation, two coats of acrylic paint should be maintained to all exposed surfaces.

**HOTEDGE® PANELS ARE AVAILABLE IN 3 SIZES AND ARE PRE-PLASTERED TO ENSURE A PERFECT FIT REDUCING DEFLECTION OF AROUND 60MM.**

**HOTEDGE® IS INSTALLED INTO THE SIDES OF THE SLAB’S BOXING BEFORE RAFTMIX® CONCRETE IS POURED. EVENLY SPACED TORNADO SCREWS ENSURE HOTEDGE® IS FULLY INTEGRATED WITHIN EVERY FLOOR SLAB, CREATING A SEAMLESS FINISH FOR THE HOMEOWNER.**