

EJOh1TL30

EPB &amp; James Hardie Linea™ Oblique™ Weatherboard - Horizontal

Two Way FRR

External Wall - Timber Frame

Load Bearing

| System Number    | Lining Suffix | FRR      | Insulation      | Noise Control STC | Lining Requirement   |
|------------------|---------------|----------|-----------------|-------------------|--|
| <b>EJOh1TL30</b> | <b>-F10</b>   | 30/30/30 | R2.2 glass wool | 46                | 1 x 10mm EPB FireSmart on Internal side<br>James Hardie Linea™ Oblique™ Weatherboard horizontal to External side |

### Framing, Wall Height, Load and Framing Dimension

Timber framing to comply with relevant sections and clauses of NZBC B1: Structure and NZBC B2: Durability. Timber framing must be in accordance with NZS3604 stud tables for load bearing or non-load bearing partitions. Furthermore;

- Minimum framing dimension is 90 x 45mm.
- Nogs must be in place at a maximum of 800mm centres.
- Maximum stud spacing's are 600mm centres.
- The fire rated walls built close to boundary are also required to achieve post fire stability in either direction in accordance with the NZBC verification method B1/VM1, paragraph 2.2.4

Refer to latest James Hardie Fire & Acoustic Design Manual figures and tables for further detail.

### Underlay

For the type of allowable underlay refer to table below.

|                          | EH Wind Zone | Other Wind Zone   |
|--------------------------|--------------|-------------------|
| <b>Buildings &lt;10m</b> | RAB          | Flexible Underlay |
| <b>Buildings &gt;10m</b> | RAB          | RAB               |

### Fire Retardant Flexible Underlay

Install any Fire Retardant Flexible Underlay beneath the claddings, that complies with Table 23 of E2/AS1 and has a flammability index not exceeding 5.

### RAB™ Board

One layer of James Hardie RAB™ Board fixed to entire framing.

6mm RAB™ Board : Use 40 x 2.8mm fibre cement nail at 200mm centres

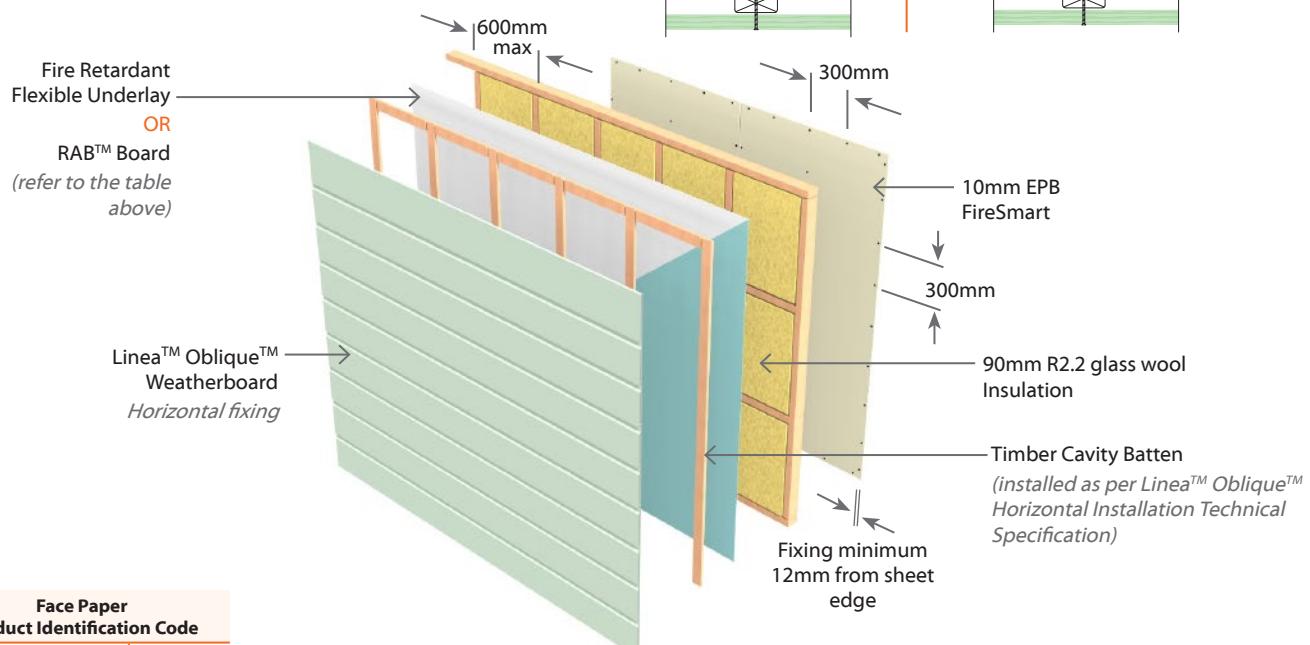
9mm RAB™ Board : Use 50 x 2.8mm fibre cement nail at 200mm centres

Fixing to be 12mm from sheet edges

Reference to be made to the James Hardie Home RAB™ Pre-Cladding & RAB™ Board Installation Manual.

### Cavity Batten

Use a nominal 20mm Timber Cavity Batten. Refer to Linea™ Oblique™ Horizontal Installation Technical Specification for installation instructions.



N.B. The above drawings are for illustrative purposes only.

