

The VERDUS Thermally Modified Timber Weatherboard Systems



Product

1.1 The VERDUS Thermally Modified Timber Weatherboard Systems, are a range of weatherboard claddings that include:

- ⇒ **A Shiplap option - either vertical or horizontal - including a new Verdus VX20 Vertical Shiplap profile;**
- ⇒ **A Bevelback option;**

1.2 The VERDUS Thermally Modified Timber Weatherboard Systems are intended to be installed over either timber framing complying with NZS3604, or Light Gauge Steel framing complying with NAS Standard 1.

1.3 The VERDUS Thermally Modified Timber Weatherboard Systems are to be installed under the supervision of an experienced and competent Licensed Building Practitioner in accordance with the manufacturer's instructions.

Scope and Limitations

3.1 The VERDUS Thermally Modified Timber Weatherboard Systems are subject to the following scope of use or limitations:

- ⇒ Used in an external environment above ground, with a (seismic) locality factor (Z) of up to 0.42 (Upper Hutt), in a temperate climate, with wind zones up to and including 55m/sec (Extra High);
- ⇒ The design height of residential buildings shall be up to and including 10m from the finished ground level with timber framing constructed as per NZS 3604;
- ⇒ The system is for use over timber framing incorporating a 'frame protection system' and non- structural cavity battens;
- ⇒ The systems are limited to use for residential housing including Class 1 and Class 2 type construction, i.e. stand-alone houses and multi-apartment dwellings, up to three stories high;
- ⇒ The systems shall be installed in accordance with the approved technical and quality plan literature provided by Verdus NZ Limited, available from their web site www.verdus.nz;
- ⇒ The systems shall be installed over a compliant 'frame protection system' (see separate document).

Note: On completion of the installation of the selected VERDUS Thermally Modified Timber Weatherboard System, the building owner shall be supplied with a maintenance schedule/document.

Manufacturer/
Supplier:

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Accessories

Accessories for thermally modified Norwegian Spruce weatherboards, include:

- ⇒ Fixings – 75 to 90 x 3.15mm Stainless steel or silicon bronze rose-head annular groove nails, or equivalent screw fixings;
- ⇒ Battens – 20 x 45mm H3.2 cavity batten (vertically fixed) or 20 x 45mm H3.2 castellated, cavity batten (horizontally fixed);
- ⇒ µPVC cavity closer to suit;
- ⇒ Powder-coated aluminium flashings for above windows, internal and external corners, meter boxes, eaves and apron flashings.

Note 1: Fixing centres are 400mm minimum and 600mm maximum.

Note 2: The weatherboards are finished using iOKA finishing oil coating system.

Technical Literature

- 4.1 The VERDUS Thermally Modified Timber Weatherboard Systems Technical Literature Ver 1 including a site checklist, shall be used for all aspects of design, use, installation and maintenance.
- 4.2 Verdus Thermally Modified Timber Weatherboard System Installation Guide
- 4.3 Verdus - timber weatherboard Handling and Storage instructions.
- 4.4 iOKA oxygen cleaner instructions
- 4.5 iOKA Exterior Oils Specification & Maintenance Guide
- 4.6 iOKA Exterior Oils MSD sheet
- 4.7 For a copy of this technical literature please contact Verdus NZ Limited; www.verdus.nz or click [here](#).

Demonstrating Compliance

For Compliance with B1.3.3 – Resistance to wind:

There is in-service history to verify the ability of the installed product to resist the forces associated with wind (positive & negative), on buildings up to 10 m in height.

Compliance with B2.3.1(b) - Durability for at least 15 years:

The manufacturer has provided a report on a durability assessment in accordance with CEN/TS 15083-1, 2005 by the University of Goettingen, Wood Biology and Wood Products department. This report is supported by a client of the manufacturer, who has 40 years in-service experience. (Refer reference documents note). The durability of the product is also enhanced through the application of a proprietary stain which mitigates the entry of moisture and UV.

Compliance with B2.3.1(c) - Durability for at least 5 years:

The specified iOKA exterior oil will comply with performance clause B2.3.1(c) provided the manufacturer's instructions are followed.

Compliance with E2.3.2 – resistance to external moisture:

The cladding designs are in accordance with Acceptable Solution E2/AS1, and together with local in-service history of like products, show that when correctly installed, the product will resist the ingress of moisture.

Compliance with F2.3.1 – non-hazardous materials

The absence of chemical materials used in the product, is evidence of compliance.

Warranty

The Verdus NZ Limited provides a limited 15 year warranty.

Such warranty is subject to the completed site checklist and associated photo records being received by Verdus NZ Limited.

Email: sales@verdus.nz

Reference documents

1. The VERDUS Thermally Modified Timber Weatherboard Systems Technical Literature Ver 1, available from www.verdus.nz;
2. The VERDUS Thermally Modified Timber Weatherboard Systems Building Product Quality Plan (BPQP) Ver 1, available from www.verdus.nz;
3. A report on the assessment of "Natural durability against basidiomycetes (CEN/TS 15083-1, 2005)" from the University of Goettingen, Wood Biology and Wood Products department. It is noted that though this particular Standard has been superseded by the 2006 version, this makes no material difference to the findings of durability;
4. The Building Regulations 1992 with amendments;
5. NZS3604 Timber frame buildings;
6. NASH Standard Part 1:2016 Design Criteria - Alternative Solution (for Light Gauge Steel framing);
7. Acceptable Solution E2/AS1 for demonstrating compliance with performance clause E2.3.2.

Declaration of Compliance

I, Camden Andrews, Director of Verdus NZ Limited, declare the information contained in this Product Technical Statement demonstrates that, subject to the product being installed according to the VERDUS Thermally Modified Timber Weatherboard Systems technical literature, the installed system will comply with the relevant performances of the New Zealand Building Code.

Signature:



Camden Andrews (Apr 28, 2022 20:36 GMT+12)

Email: sales@verdus.nz

On behalf of

