

DensDeck® Prime Roof Board SPECIFICATION GUIDE

V1.0 July 2021



1. GENERAL

1.1 GENERAL

This specification relates to the installation of DensDeck® Prime roof boards supplied by MaxClad.

1.2 RELATED WORK

The installation of DensDeck® Prime roof boards relies on:

- › Timber or lightweight steel framing; and lightweight concrete, plywood, OSB or metal tray substrate that complies with the NZ Building Code and the building consent documentation and construction drawings. In the case of an existing building, the designer and installer must have satisfied themselves that the existing building is suitable for the intended building work.
- › A waterproofing system that complies with the NZ Building Code and the building consent documentation and construction drawings.

1.3 DOCUMENTS

Refer to the following manufacturer's documents:

- › DensDeck® Prime Roof Cover Boards pass™
- › DensDeck® Prime Roof Board Technical Guide.

Refer to the following related documents:

- › NZS 3604:2011 Timber-framed buildings
- › NASH Design Standard: 2019 Parts 1 and 2.

2. PRODUCTS

2.1 PRODUCT DESCRIPTION

DensDeck® Prime roof boards have a gypsum core with fibreglass mat facings instead of traditional paper facings. The board is non-combustible, with a reinforced glass fibre gypsum core that is mould and moisture-resistant.

The boards are 1219 mm wide and 2438 mm long and available in thicknesses of 6.4, 12.7, and 15.9 mm.

2.2 ASSEMBLY COMPONENTS

The following assembly components are supplied by MaxClad:

- › DensDeck® Prime roof board 1219 mm wide x 2438 mm long x 6.4 mm thick
- › DensDeck® Prime roof board 1219 mm wide x 2438 mm long x 12.7 mm thick
- › DensDeck® Prime roof board 1219 mm wide x 2438 mm long x 15.9 mm thick.

2.3 ACCESSORY COMPONENTS

The following system assembly accessory components are required:

- › 51 mm rigid foam insulation (optional)
- › vapour retarder
- › wind uplift fasteners
- › solvent-based adhesives and primers.

2.4 SUBSTITUTIONS

Substitutions are not permitted to any of the specified components listed in this section.

3. EXECUTION

-
- 3.1 QUALIFICATIONS** The installation of DensDeck® Prime roof board must be carried out by a competent and experienced builder.
-
- 3.2 RESTRICTED BUILDING WORK** Where restricted building work applies, the installer shall be a Licensed Building Practitioner (LBP) or be supervised by an LBP with the relevant license class.
-

4. APPLICATION

-
- 4.1 CHECK RELATED WORK** Confirm the timber or lightweight steel framing and lightweight concrete, plywood, OSB or metal tray structural substrate are constructed in accordance with the building consent and construction drawings.
- In the case of an existing building, the designer and installer must have confirmed they are satisfied that the existing building is suitable for the intended building work.
-
- 4.2 RECEIPT OF PRODUCT** Ensure that all product supplied by MaxClad is:
- free from defects at the time of delivery and
 - handled and stored in accordance with all MaxClad requirements.
-
- 4.3 INSTALLATION** The installation of DensDeck® Prime roof board must be completed in accordance with the instructions in the DensDeck® Prime Roof Board Technical Guide and the building consent documentation.
- All conditions contained in the building consent documentation must be met.
- In particular confirm, where DensDeck® Prime roof boards are to be used as part of a fire-rated or acoustic assembly confirm the design details are in accordance with the DensDeck® Prime Roof Board Technical Guide or have been specifically engineered by an Acoustic or Fire Engineer, as applicable.
-

5. COMPLETION

-
- 5.1 QUALITY CHECK** Check the DensDeck® Prime roof board to ensure all components have been installed correctly and finished in accordance with all MaxClad requirements.
-
- 5.2 WARRANTIES** A 5-year manufacturer's warranty is available for DensDeck® Prime roof board. Refer to <https://www.gp.com/product-overview/gp-building-construction-products>.
-
- 5.3 INFORMATION FOR ONGOING CARE AND MAINTENANCE** Regular care and maintenance is required to ensure the continuing performance of the facade or cladding system. Refer to the DensDeck® Prime Roof Board Technical Guide.
-

6. PROJECT SPECIFIC SELECTIONS

PROJECT DETAILS

Project address

Lot/DP number

Date of plans

Purpose of plans

Description of building work and reference to drawing numbers

Roof assembly type

Fire-rated assembly

Acoustic rated assembly

General assembly

DOCUMENTS SUPPLIED WITH BUILDING CONSENT APPLICATION (CHECK WHICH APPLIES)

DensDeck® Prime Roof Cover Boards pass™

DensDeck® Prime Roof Board Technical Guide.

DESIGNER CONFIRMATION (CHECK WHICH APPLIES)

Location

Wind zone or design pressure (ULS)

Low

Medium

High

Very high

Extra high

Design pressure

Exposure zone as per NZS 3604:2011

A

B

C

D

Seismic zone

1

2

3

4

Distance to boundary

Less than 1 m

Greater than 1 m



Building

Framing/substrate

Timber

Lightweight concrete

OSB

Existing building assessed at equivalent stiffness to NZS 3604:2011

Lightweight steel

Plywood

Metal tray

Other (state what was used)

Fastening

Mechanical fasteners

Solvent-based adhesives

Fastener pattern and number required for wind uplift

Vapour retarder required

Name of product (specify)

PROJECT SELECTIONS

DensDeck® Prime roof board 1219 mm wide x 2438 mm long x 6.4 mm thick

DensDeck® Prime roof board 1219 mm wide x 2438 mm long x 12.7 mm thick

DensDeck® Prime roof board 1219 mm wide x 2438 mm long x 15.9 mm thick.

