



1. GENERAL

1.1 GENERAL

This specification relates to the installation of DensGlass® sheathing panels (available in DensGlass® Sheathing and Densglass® Fireguard Sheathing) supplied by MaxClad.

1.2 RELATED WORK

The installation of DensGlass® sheathing panels relies on:

- › timber or lightweight steel framing that complies with the NZ Building Code and the building consent documentation and construction drawings or in the case of an existing building, where the designer and installer have satisfied themselves that the existing building is suitable for the intended building work
- › the installation of a thermal break, where the framing is lightweight steel framing
- › a cladding system and joinery that complies with the NZ Building Code, the building consent documentation and construction drawings.

1.3 DOCUMENTS

Refer to the following manufacturer's documents:

- › DensGlass® Sheathing Panels pass™
- › DensGlass® Sheathing 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

DensGlass® sheathing panels are gold-coloured gypsum board with fibreglass mat facings instead of traditional paper facings. The panels are non-combustible, with a reinforced glass fibre gypsum core that is mould and moisture-resistant.

The panels can be installed either vertically or horizontally over a structural frame.

The DensGlass® Sheathing is 13 mm thick, 1200 mm and 2400 mm in length.

DensGlass® Fireguard is 15.9 mm thick, 1219 mm wide and 2438 mm in length.

2.2 ASSEMBLY COMPONENTS

The following assembly components are supplied by MaxClad:

- › DensGlass® Sheathing 13 mm thick x 1200 mm wide x 2400 mm long
- › DensGlass® Fireguard 15.9 mm thick x 1219 mm wide x 2438 mm long.

2.3 ACCESSORY COMPONENTS

The following accessory components are required:

DensGlass® Sheathing

- › Timber framing – 32 mm bugle head, coarse thread, corrosion resistant, sharp point screw or 38 mm, 11-gauge galvanised nail
- › Lightweight steel framing – 25 mm bugle head, fine thread, corrosion resistant, sharp point plasterboard screw or 32 mm wafer head, corrosion resistant screw, drill or sharp point

DensGlass® Fireguard

- Timber framing – 41 mm bugle head, coarse thread, corrosion resistant, sharp point screw or 45 mm, 11-gauge galvanised nail or 41 mm wafer head, corrosion resistant screw, drill or sharp point
- Lightweight steel framing – 32 mm bugle head fine thread, corrosion resistant, sharp point plasterboard screw or 32 mm wafer head, corrosion resistant screw, drill or sharp point.

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 DensGlass® sheathing panels 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.

4.1 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.
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4.1 GENERAL The installation of DensGlass® sheathing panels must be completed in accordance with the instructions in the DensGlass® Sheathing Technical Guide and the building consent documentation.

All conditions contained in the building consent documentation must be met.

In particular confirm, where DensGlass® sheathing panels are to be used as part of a fire-rated or acoustic assembly confirm the design details are in accordance with the DensGlass® Sheathing Technical Guide or have been specifically engineered by an Acoustic or Fire Engineer, as applicable.

5. COMPLETION

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- 5.1 QUALITY CHECK** Check the DensGlass® sheathing panels to ensure all components have been installed correctly and finished in accordance with all MaxClad requirements.
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- 5.2 WARRANTIES** A 5-year manufacturer’s warranty is available for DensGlass® sheathing panels. Refer to <https://www.gp.com/product-overview/gp-building-construction-products>.
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- 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 DensGlass® Sheathing Technical Guide.
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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

DOCUMENTS SUPPLIED (CHECK WHICH APPLIES)

DensGlass® Sheathing Panels pass™

DensGlass® Sheathing Technical Guide

DESIGNER CONFIRMATION (CHECK WHICH APPLIES)

Location

Wind zone or design pressure (ULS)

Low

Medium

High

Very high

Extra high

Design pressure (ULS)

Exposure zone as per NZS 3604:2011

A

B

C

D

Seismic zone

1

2

3

4

Distance to boundry

Less than 1 m

Greater than 1 m

Building

Framing

- | | |
|--|--|
| <input type="checkbox"/> Timber | <input type="checkbox"/> Lightweight steel |
| <input type="checkbox"/> Existing building assessed at equivalent stiffness to NZS 3604:2011 | <input type="checkbox"/> Other (state what was used) |

Cavity

- Drained and ventilated cavity

Cladding

- | | |
|--|---|
| <input type="checkbox"/> Cladding system and joinery to E2/AS1, E2/VM1, CodeMark certificate with all conditions met, or | <input type="checkbox"/> Determination where relevant |
|--|---|

Specific system assembly

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> Fire resistant wall | <input type="checkbox"/> Fire resistant floor/ceiling | <input type="checkbox"/> Fire resistant encapsulation | <input type="checkbox"/> Acoustic (STC) |
|--|---|---|---|

PROJECT SELECTIONS

- | | |
|---|---|
| <input type="checkbox"/> DensGlass® Sheathing 13 mm thick x 1200 mm wide x 2400 mm long | <input type="checkbox"/> DensGlass® Fireguard 15.9 mm thick x 1219 mm wide x 2438 mm long |
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