

1. GENERAL

1.1 GENERAL

This specification relates to the installation of ALPOLIC®/fr, ALPOLIC® NC and ALPOLIC™ A2 (ALPOLIC®).

ALPOLIC™ A2 is supplied by PSP; once folded or otherwise fabricated it may be used as part of an external wall cladding or as an internal wall lining, including in wet areas. It is intended to be used in conjunction with a fixing system designed specifically for use with aluminium composite panels.

1.2 RELATED WORK

The installation of ALPOLIC® relies on:

- a primary structure and external wall system that complies with the NZ Building Code and the building consent documentation and construction drawings, or an existing building confirmed as suitable for the intended building work; and
- a fixing system designed for use with aluminium composite panels, with fixings specified at 300 mm centres.

1.3 DOCUMENTS

Refer to the following supplier's documents:

- ALPOLIC®/fr pass™, or
- ALPOLIC® NC pass™, or
- ALPOLIC™ A2 pass™.

1.4 GENERAL DESIGN CONSIDERATIONS

Refer to the requirements of the selected aluminium composite panel fixing system and ensure all of the fixing system supplier's requirements are met by the design and all site and building specific requirements are met (e.g. position of openings, etc.).

2. PRODUCTS

2.1 PRODUCT DESCRIPTION

ALPOLIC® are aluminium composite panels with the following composition:

- ALPOLIC®/fr has a 70 % mineral core, sandwiched between two skins of 0.5 mm thick aluminium (3005-H14 or 3105-H14), with a LUMIFLON®-based fluoropolymer coating to the exposed face and polyester-based coating to the rear surface.
- ALPOLIC® NC has a 3 mm non-combustible mineral core, sandwiched between two aluminium alloy 3105-H14 outer skins of 0.5 mm thickness, coated with a LUMIFLON® FEVE resin.
- ALPOLIC™ A2 has a high mineral core, sandwiched between two skins of 0.5 mm thick aluminium (3005-H14 or 3105-H14), with a LUMIFLON®-based fluoropolymer paint to the exposed face and a polyester-based wash coating or a service coating to the rear surface.

ALPOLIC®/fr is available in 3 mm, 4 mm or 6 mm thick panels of the following sizes:

- 2498 mm x 1575 mm
- 3099 mm x 1270 mm
- 3099 mm x 1574 mm
- 4000 mm x 1575 mm.

ALPOLIC® NC and ALPOLIC™ A2 are available in 4 mm thick panels with the following sizes:

- 2498 mm x 1575 mm
- 3099 mm x 1270 mm
- 3099 mm x 1574 mm
- 4000 mm x 1575 mm.

2.2 ASSEMBLY COMPONENTS

The following assembly components are supplied by PSP in a range of colours:

- ALPOLIC®/fr panels: 2498 mm x 1575 mm, 3099 mm x 1270 mm, 3099 mm x 1574 mm, 4000 mm x 1575 mm.
- ALPOLIC® NC panels: 2498 mm x 1575 mm, 3099 mm x 1270 mm, 3099 mm x 1574 mm, 4000 mm x 1575 mm.
- ALPOLIC™ A2 panels: 2498 mm x 1575 mm, 3099 mm x 1270 mm, 3099 mm x 1574 mm, 4000 mm x 1575 mm.

2.3 ACCESSORY COMPONENTS

Refer to componentry for the selected aluminium composite panel fixing system.

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 ALPOLIC® 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	<p>Confirm the primary structure is constructed in accordance with the building consent and construction drawings or in the case of an existing building, the designer and/or installer must have confirmed they are satisfied that the existing building is suitable for the intended building work.</p> <p>Confirm the selected aluminium composite panel fixing system is installed in accordance with building consent and construction drawings and all fixing system supplier's installation requirements are met.</p>
4.2 RECEIPT OF PRODUCT	<p>Ensure that all product supplied by PSP is:</p> <ul style="list-style-type: none">➤ free from defects at the time of delivery and➤ handled and stored in accordance with all PSP requirements.
4.3 INSTALLATION	<p>The installation of ALPOLIC® must be completed in accordance with the fixing system specified in the building consent.</p> <p>All conditions contained in the building consent documentation must be met.</p>

5. COMPLETION

5.1 QUALITY CHECK	Check the ALPOLIC® to ensure the panels have been installed correctly and fixed in accordance with the consented aluminium composite panel fixing system.
5.2 WARRANTIES	<p>A 15-year manufacturer's warranty is available for ALPOLIC®.</p> <p>Refer to www.psp.co.nz.</p>
5.3 INFORMATION FOR OPERATION AND MAINTENANCE	ALPOLIC® requires regular care and maintenance to maintain the performance of the panels. Refer to www.psp.co.nz .

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

Product

ALPOLIC®/fr

ALPOLIC® NC

ALPOLIC™ A2

DOCUMENTS SUPPLIED (check which applies)

ALPOLIC®/fr pass™

ALPOLIC™ A2 pass™

ALPOLIC® NC pass™

DESIGNER CONFIRMATION (check which applies)

Location

Exposure zone as per NZS 3604:2011

A

B

C

D

Distance to boundary

Less than 1 m

Greater than 1 m

Building

Fixing system designed for use with aluminium composite panels, with fixings specified at 300 mm centres.

Fixing system (specify)

Fixing system supplied by

Supplier of fixing system has provided evidence of building code compliance for intended use

PROJECT SELECTIONS

- ALPOLIC®/fr panel 2498 mm x 1575 mm
- ALPOLIC®/fr panel 3099 mm x 1270 mm
- ALPOLIC®/fr panel 3099 mm x 1574 mm
- ALPOLIC®/fr panel 4000 mm x 1575 mm
- ALPOLIC® NC panels 2498 mm x 1575 mm
- ALPOLIC® NC panels 3099 mm x 1270 mm
- ALPOLIC® NC panels 3099 mm x 1574 mm
- ALPOLIC® NC panels 4000 mm x 1575 mm
- ALPOLIC™ A2 panels 2498 mm x 1575 mm
- ALPOLIC™ A2 panels 3099 mm x 1270 mm
- ALPOLIC™ A2 panels 3099 mm x 1574 mm
- ALPOLIC™ A2 panels 4000 mm x 1575 mm