BRANZ Appraised

Appraisal No. 601 (2026)

PANORAMA PVC LINING SYSTEM

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This Appraisal replaces BRANZ Appraisal No. 601 (2020)

BRANZ Appraisals

Technical Assessments of products for building and construction.

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Product

1.1 The Panorama PVC Lining System consists of white extruded PVC hollow panels used as exterior soffit linings, and interior wall and ceiling linings. The Panorama PVC panels are extruded with a tongue-and-groove profile that when fitted together, resembles the finished look of tongue-and-groove painted timber panelling.

Scope

2.1 The Panorama PVC Lining System has been appraised for use as an external soffit lining for timber-framed buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS1; and,
- situated in Wind Zones up to, and including, Very High, determined in accordance with NZS 3604.

2.2 The Panorama PVC Lining System has been appraised for use as an external soffit lining for steel-framed buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS4 NASH Building Envelope Solutions; and,
- situated in Wind Zones up to, and including, High, determined in accordance with NZS 3604.

2.3 The Panorama PVC Lining System has also been appraised for use as interior wall and ceiling linings.

Building Regulations

3.1 **In the opinion of BRANZ, the Panorama PVC Lining System, if designed, used, installed, and maintained in accordance with the statements and conditions of this Appraisal, will meet the following provisions of the NZBC:**

Clause B1 STRUCTURE: Performance B1.3.1, B1.3.2, and B1.3.4. The Panorama PVC Lining System meets the requirements of loads arising from self weight, wind, and impact [i.e. B1 3.3 (a), (h) and (j)]. See Paragraph 9.1.

Clause B2 DURABILITY: Performance B2.3.1 (b) 15 years for soffit linings and B2.3.1 (c) 5 years for interior wall and ceiling linings. The Panorama PVC Lining System meets these requirements. See Paragraph 10.1.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. The Panorama PVC Lining System meets this requirement. See Paragraph 15.1.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. The Panorama PVC Lining System meets this requirement.

Technical Specification

4.1 The Panorama PVC Lining System consists of white extruded PVC panels and trims. The panels are hollow profiled 10 mm thick and either 100 mm, 150 mm or 200 mm wide with inter-locking joints. The wider 150 mm and 200 mm panels are for internal wall and ceiling lining only. The 100 mm panels are also suitable for external soffit lining. The profile represents tongue-and-groove timber panelling. The panels are supplied in lengths of either 4 m or 5.8 m. The surface of the PVC elements is pre-finished at extrusion and does not require further finishing or painting. The trims include end closers, straight jointers, variable angle jointers, and external corners.

Table 1: Panel Fixings

	Timber Framing	Steel Framing
For Soffit Use	32 mm x 6 g stainless steel screws with minimum head diameter of 8.3 mm	20 mm x 8 g galvanised* self-tapping pan head screws with minimum head diameter of 7.6 mm
For Interior Lining Use	25 mm x 6 g drywall screws	25 mm x 6 g self-tapping drywall screws

* In accordance with Table 4.3 of NZS 3604

Handling and Storage

5.1 There are minimum handling and storage requirements for the constituent components of the Panorama PVC Lining System. PVC material should be stored away from organic solvents, or tar-based products as these can stain the PVC material. Elements of the system are best kept wrapped until they are required for installation.

Technical Literature

6.1 This Appraisal must be read in conjunction with:

- Panorama PVC Soffit System, Version 4, dated 13 March 2024.
- Panorama PVC Soffit System Installation Instructions, Version 5, dated 13 March 2024.

6.2 All aspects of design, use, installation and maintenance contained in the Technical Literature and within the scope of this Appraisal must be followed.

Design Information

Framing

Timber Framing

7.1 Timber framing grade, spacing, and construction must comply with NZS 3604. Timber treatment must comply with NZBC Acceptable Solution B2/AS1.

- Supporting framing for soffits must be at a maximum of 600 mm centres for NZS 3604 Wind Zones up to, and including, High, and at a maximum of 450 mm centres for the Very High Wind Zone.
- For ceilings, supports must be at a maximum of 600 mm centres.
- For interior wall linings, studs must be at a maximum of 600 mm centres for horizontally fixed panels, and dwangs must be at a maximum of 600 mm centres for vertically fixed panels.

7.2 Timber wall framing must have a maximum moisture content of 24% at the time of the lining application.

Steel Framing

7.3 The Panorama PVC Lining System can also be fixed to steel support framing using galvanised self-tapping screws. Th folded galvanised steel profile for framing must not be less than 0.55 mm thick.

- Supporting framing for soffits must be at a maximum of 600 mm centres for NZS 3604 Wind Zones Medium and Low, and a maximum of 450 mm centres for the High Wind Zone. The Panorama PVC Lining System cannot be fixed to steel framing for soffits in the Very High Wind Zone.
- For ceilings, supports must be at a maximum of 600 mm centres.
- For interior wall linings, studs must be at a maximum of 600 mm centres for horizontally fixed panels, and dwangs must be at a maximum of 600 mm centres for vertically fixed panels.

General

8.1 Additional framing may be required when preparing soffits for lining with the Panorama PVC Lining System.

8.2 The Panorama PVC Lining System does not perform the function of an air-barrier. When used as an internal lining on an external wall, a separate air barrier must be used. Refer to NZBC Acceptable Solution E2/AS1 Subsection 9.1.3.

Structure

Wind Zones

9.1 The Panorama PVC Lining System, when used as a soffit, is suitable for use on buildings in NZS 3604 Wind Zones up to, and including, Very High when fixed to timber framing, and up to, and including, High when fixed to steel framing. [See Paragraphs 7.1 and 7.3.]

Durability

Serviceable Life

10.1 The Panorama PVC Lining System, whether installed as a soffit or as an interior lining on ceilings or walls, can be expected to have a serviceable life of 15 to 25 years.

Maintenance

11.1 Regular cleaning (at least annually) of the Panorama PVC Lining System surface is recommended to remove grime, dirt and organic growth, and to maximize the life and appearance of the surface finish. Build-up of residue, mould or dirt can be removed by brushing with a soft brush, warm water and detergent. Abrasive cleaners, thinners, solvents or petrol must not be used to clean the Panorama PVC Lining System.

Prevention of Fire Occurring

12.1 Separation or protection must be provided to the Panorama PVC Lining System from heat sources such as fireplaces, heating appliances and chimneys. NZBC Acceptable Solutions C/AS1 and C/AS2 provide methods for separation and protection of combustible materials from heat sources.

Control of Internal Fire Spread

Interior Surface Finishes

13.1 The Panorama PVC Lining System has been tested in accordance with ISO 5660 and achieved a Group Number of 1. Refer to NZBC Acceptable Solutions C/AS1 and C/AS2 to determine where the Panorama PVC Lining may be used according to its Group Number.

Control of External Fire Spread

Vertical Fire Spread

14.1 This Appraisal only covers use as an external soffit lining on buildings 10 m or less in height. NZBC Functional Requirement C3.2 identifies that external vertical fire spread to upper floors only needs be considered for buildings with a building height greater than 10 m. Control of external vertical fire spread is therefore outside the scope of this Appraisal.

Horizontal Fire Spread

14.2 The Panorama PVC Lining System has not been tested or classified as Non-combustible or Limited combustible materials, and the system is therefore not suitable for use on eaves where a Fire Resistance Rating is required in accordance with C/AS1 or C/AS2.

External Cladding Systems

14.3 The Panorama PVC Lining System contains materials not tested or classified as Non-combustible or Limited combustible materials.

14.4 Soffits and/or external walls must comply with the fire performance requirements of NZBC Acceptable Solution C/AS1 or C/AS2 based on the building height, proximity to the relevant boundary and if the building is sprinklered. The Panorama PVC Lining System has not been assessed as a fire rated system or for use on eaves extending from an external wall where these requirements apply.

External Moisture

15.1 The Panorama PVC Lining System, when installed in accordance with this Appraisal and the Technical Literature, will prevent the penetration of moisture that could cause undue dampness or damage to building elements.

Installation Information

Installation Skill Level Requirement

16.1 All design and building work must be carried out in accordance with the Panorama PVC Lining System Technical Literature and this Appraisal by competent and experienced tradespeople conversant with the Panorama PVC Lining System. Where the work involves Restricted Building Work (RBW) this must be completed by, or under the supervision of, a Licensed Building Practitioner (LBP) with the relevant Licence class.

System Installation

17.1 PVC components may be cut on-site by hand saw or power tools with a fine toothed-blade.

17.2 A 3 mm gap must be left at panel ends to allow for movement.

17.3 Panels are fixed at every support by screws through the tongue. The next panel covers the screw from sight. Refer to Table 1 for screw fixings.

17.4 For soffit installations, the Panorama PVC Lining System trims must be appropriately sealed at fascia and barge boards.

Health and Safety

18.1 Protective equipment must be worn/used as required by the Technical Literature and manufacturer's instructions.

Basis of Appraisal

The following is a summary of the technical investigations carried out:

Tests

19.1 Wind suction tests were conducted by BRANZ to demonstrate the required soffit fixing and soffit lining pull-off strength for both steel and timber framing for Wind Zones of NZS 3604.

Other Investigations

20.1 Structural and durability opinions have been provided by BRANZ technical experts.

20.2 Site inspections have been carried out by BRANZ to assess the practicability of installation and to examine completed installations.

Quality

21.1 The manufacture of the Panorama PVC Lining System has not been examined by BRANZ, but details of the quality and composition of the materials used were obtained by BRANZ and found to be satisfactory. The quality management system of the manufacturer, Pacific Plastic et Profile SARL, has been assessed and registered as meeting the requirements of ISO 9001.

21.2 Quality of materials, components, and accessories supplied by Pacific Plastic et Profile SARL is the responsibility of Pacific Plastic et Profile SARL.

21.3 The quality of installation on-site is the responsibility of the installer.

21.4 Designers are responsible for the building design, and building contractors are responsible for the quality of installation.

21.5 Building owners are responsible for the maintenance of the Panorama PVC Lining System in accordance with the advice of Pacific Plastic et Profile SARL.

Sources of Information

- ISO 5660-1:2002 Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Heat release rate (cone calorimeter method).
- NZS 3602:2003 Timber and wood based products for use in building.
- NZS 3604:2011 Timber-framed buildings.
- Ministry of Business, Innovation and Employment Record of amendments - Acceptable Solutions, Verification Methods and handbooks.
- The Building Regulations 1992.

BRANZ

In the opinion of BRANZ, the Panorama PVC Lining System is fit for purpose and will comply with the Building Code to the extent specified in this Appraisal provided it is used, designed, installed and maintained as set out in this Appraisal.

The Appraisal is issued only to Pacific Plastic et Profile SARL, and is valid until further notice, subject to the Conditions of Appraisal.

Conditions of Appraisal

1. This Appraisal:
   a) relates only to the product as described herein;
   b) must be read, considered and used in full together with the Technical Literature;
   c) does not address any Legislation, Regulations, Codes or Standards, not specifically named herein;
   d) is copyright of BRANZ.
2. Pacific Plastic et Profile SARL:
   a) continues to have the product reviewed by BRANZ;
   b) shall notify BRANZ of any changes in product specification or quality assurance measures prior to the product being marketed;
   c) abides by the BRANZ Appraisals Services Terms and Conditions;
   d) warrants that the product and the manufacturing process for the product are maintained at or above the standards, levels and quality assessed and found satisfactory by BRANZ pursuant to BRANZ's Appraisal of the product.
3. BRANZ makes no representation or warranty as to:
   a) the nature of individual examples of, batches of, or individual installations of the product, including methods and quality of work;
   b) the presence or absence of any patent or similar rights subsisting in the product or any other product;
   c) any guarantee or warranty offered by Pacific Plastic et Profile SARL.
4. Any reference in this Appraisal to any other publication shall be read as a reference to the version of the publication specified in this Appraisal.
5. BRANZ provides no certification, guarantee, indemnity or warranty, to Pacific Plastic et Profile SARL or any third party.

For BRANZ

Claire Falck
Chief Executive

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04 February 2026