



BRANZ Appraised

Appraisal No. 1222 [2023]

SELLEYS SEALANTS



Appraisal No. 1222 [2023]

Amended 14 May 2025

BRANZ Appraisals

Technical Assessments of products for building and construction.



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Product

- 1.1 Selleys Sealants are used for exterior weatherproofing and as general purpose gap-filling sealants for exterior and interior use.

Scope

- 2.1 Selleys Sealants have been appraised for use as sealants in buildings within the following scope:
 - Class 1 and Class 10 Buildings; and,
 - Class 2 to Class 9 Buildings; and,
 - constructed with timber or steel framing in accordance with the National Construction Code [NCC]; and,
 - situated in non-cyclonic wind zones up to, and including, N3.
- 2.2 Selleys Sealants have also been appraised for use as sealants in buildings subject to specific design within the following scope:
 - in joints with a maximum width of 35 mm; and,
 - on substrates of:
 - timber (unpainted and unstained), untreated pine and untreated Jarrah; or,
 - plastics – uPVC, perspex and fibreglass; or,
 - minerals – concrete, mortar, plaster, blockwork, fibre cement sheet, earthenware (terracotta) and glazed ceramic tiles; or,
 - metals – stainless steel, aluminium (milled or anodised), painted and unpainted metals (galvanised, zinc/aluminium-coated); or,
 - glass.

[Note: Substrates or materials other than those specified above have not been assessed and are outside the scope of this Appraisal. Selleys must be consulted when proposing the sealing of material not specifically covered by this Appraisal.]

Building Regulations

National Construction Code (NCC)

- 3.1 In the opinion of BRANZ, Selleys Sealants, if designed, used, installed and maintained in accordance with the statements and conditions of this Appraisal, will meet or contribute to meeting the following provisions of the NCC:

NCC 2022 Volume One - Building Code of Australia

Part F1 SURFACE WATER MANAGEMENT, RISING DAMP AND EXTERNAL WATERPROOFING: Performance F1P1. Selleys Sealants contribute to meeting this requirement. See Paragraphs 12.1-12.3.

Part F3 ROOF AND WALL CLADDING: Performance F3P1. When used as part of the cladding system, Selleys Sealants contribute to meeting this requirement. See Paragraphs 12.1-12.3.

NCC 2022 Volume Two - Building Code of Australia

Part H2 DAMP AND WEATHERPROOFING: Performance H2P2 and H4P1. When used as part of the cladding system, Selleys Sealants contribute to meeting this requirement. See Paragraphs 12.1-12.3.

Technical Specification

- 4.1 Selleys Sealants are silicone or polyurethane-based weather sealing sealants for exterior use and as general purpose gap-filling sealants for exterior and interior use. They are available in various colours and sizes as detailed in Table 1.

Table 1: Selleys Sealants

Product	Colour	Sizes
Selleys Roof & Gutter	Translucent	310 g and 600 ml
	Black	310 g
	Woodland Grey	300 g
	White	300 g
	Surf Mist	300 g
	Classic Cream	300 g
	Shale Grey	300 g
	Grey	310 g and 600 ml
	Ironstone	300 g
	Dune	300 g
Selleys Wet Area (Interior only)	White	300 g
	Clear	300 g
	Light Grey	300 g
	Dark Grey	300 g
	Mocha	300 g
	Off White	300 g
	Black	300 g
Selleys Flexiseal	White	310 ml
		600 ml
	Black	310 ml
		600 ml
	Grey	310 ml
		600 ml

Handling and Storage

- 5.1 The handling and storage of Selleys Sealants on-site is the responsibility of the installer. Selleys Sealants have a shelf life of 18 months from the date of production, except for Selleys Flexiseal which has a shelf life of 12 months from date of manufacture, if stored in unopened packaging under dry, cool conditions at temperatures of between 5 and 25°C. The products must be stored out of direct sunlight.

Technical Literature

- 6.1 This Appraisal must be read in conjunction with:
- Selleys Roof and Gutter Silicone Sealant, Version 1, dated 23/03/2020.
 - Selleys Wet Area Silicone Sealant, Version 3.0, dated 6/03/2020.
 - Proseries Flexiseal, Version 2.1, dated 3/07/2020.
- 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

General

- 7.1 Selleys Sealants are designed to be used as gap-filling sealants in building construction joints for the exclusion of moisture. They may be used in both interior and exterior locations, and along with their high elasticity and good adhesion, they are suitable for use with a wide range of substrates. Compatibility tests on some porous stones is required as staining can occur in some instances. Refer to Selleys for further advice.
- 7.2 The design of weathertight joints and detailing for all applications must be in accordance with good design principles. In most situations, joint design should see the sealants used as a first line of defence, in conjunction with flashings [second line of defence], which drain to the building exterior. Other good design principles include the optimum width to depth ratio, correct sealant profile, and use of a bond breaker system. Refer to BRANZ Bulletin No. 584 and 601 for further information.
- 7.3 A bond breaker is required in all joints, and with shallow joints the bond breaker may be a self-adhesive polyethylene tape. In deeper joints, a polyethylene backer rod must be used to act as the bond breaker and at the same time set the joint depth and support the sealant.
- 7.4 The performance of Selleys Sealants makes them suitable sealants for weather sealing exterior wall constructions. It is important however that the sealant/bond breaker rain screens are backed by a waterstop or air seal so that a free-draining enclosed joint cavity is formed. This is particularly important for walls that extend over one storey in height. In weather sealing applications, the bottom of vertical joints must be open to allow water drainage. Horizontal joints between thin sheet materials, e.g. plywood or fibre cement, should be weather sealed with Z flashings and not a sealant. Horizontal joints in other materials must be rebated and the seal formed at or near the top of the rebate. All joints must be designed to drain to the exterior of the building.
- 7.5 For optimum adhesion and in critical, high performance applications such as multi-storey building work, high stress joints or extreme weather exposure, the use of substrate primers and cleaners is required. Selleys must be consulted where doubt arises. Any surface priming or activation must be undertaken in accordance with the instructions of Selleys.
- 7.6 Selleys must be consulted when proposing the sealing of material not specifically covered by this Appraisal.

Durability

- 8.1 Assessment of durability to meet the NCC is based on difficulty of access and replacement of the sealant, and the ability to detect failure of the sealant both during normal use and maintenance of the building. Therefore durability requirements for the sealants will vary according to the situations in which they are used (e.g. exterior and interior use, exposed or covered).
- 8.2 Selleys Sealants have been assessed and in the opinion of BRANZ will provide at least 15 years of durability for exterior use, and 5 years for interior use.

Serviceable Life

- 8.3 When used and applied in accordance with the Technical Literature and this Appraisal, it is expected that weathertightness or gap-filling seals undertaken with Selleys Sealants will remain serviceable for 15 years or more in exterior environments.
- 8.4 In dry interior environments where the product is inaccessible and completely sheltered from exposure to ultraviolet (UV) light, chemicals, solvents, temperature extremes and excessive movement, a serviceable life of up to 50 years or more may be expected.

Maintenance

- 9.1 In accessible areas, inspections must be carried out annually to check for cracks or gaps between the sealant and substrate. Where this has occurred, the unsound sealant must be raked out, the substrate prepared and the joint filled with fresh sealant.

Outbreak of Fire

- 10.1 Selleys Sealants must be protected or separated from fireplaces, heating appliances, chimneys and flues in accordance with the requirements of the NCC Volume One, Part G2, Performance G2P1, and NCC Volume Two, Part H7, Deemed-to-Satisfy Provision H7D5.

Spread of Fire

- 11.1 Selleys Sealants are considered exempt building materials, as listed in NCC Volume One, Part C2, Deemed-to-Satisfy Provision C2D11.

External Moisture

- 12.1 Selleys Sealants can be used to prevent rainwater from entering buildings and therefore contribute to meeting the requirements of the NCC Volume One, Part F1, Performance F1P1, and Part F3, Performance F3P1.
- 12.2 Selleys Sealants can be used with a range of exterior construction methods and materials to contribute to meeting the requirements of the NCC Volume One, Part F1, Performance F1P2, and NCC Volume Two, Part H2, Performance H2P2. They can be used, for example, in the control joints of masonry veneer, to weatherproof the joints between fibre cement weatherboards, to seal around pipes and penetrations, or to weatherproof joints between flashings and claddings.
- 12.3 It is the responsibility of the designer, builder or contractor to ensure sound joint design principles are followed. Designers, builders or contractors must ensure that second line of defence flashings drain to the building exterior, they are suitable for the particular application under consideration, and that they are installed correctly.

Internal Moisture

- 13.1 Selleys Sealants can be used to form impervious joints between sheet lining materials and also as a joint to prevent water from penetrating behind fittings and linings or into concealed spaces and therefore contribute to meeting NCC Volume One, Part F2, Performance F2P1 and F2P2 and NCC Volume Two, Part H4, Performance H4P1.

Installation Information

Installation Skill Level Requirement

14.1 Selleys Sealants are for use by general tradespeople and handy-persons in straight-forward applications. However, for more technically difficult applications, especially on larger commercial and industrial type buildings, application should be undertaken only by those experienced in the application of sealants to expansion and construction joints. All installations must be in accordance with the instructions given within the Technical Literature and this Appraisal.

General

- 15.1 Before the application of primers and sealant, substrate surfaces must be clean, dry and free from any surface contaminants such as dirt, dust, oil or existing coatings and paints.
- 15.2 Primers are not to be used as a substitution for surface cleaning and preparation. Primers must be applied in a uniform manner to ensure an even film thickness of primer is achieved. Primers must be fully cured before the application of Selleys Sealants. Cure rates will slow down as temperatures decrease.
- 15.3 Sealant application must be carried out when the sealant and substrate temperature is within the range of 5 to 30°C.
- 15.4 Installation of the sealants can be undertaken using a manual or pneumatically operated caulking gun at an angle to eliminate the inclusion of air pockets. The sealants should be tooled off to achieve a smooth finish and to compress them, promoting adhesion to the joint walls.

Health and Safety

16.1 Safe use and handling procedures for Selleys Sealants are provided on the packaging. Additional information on the products is available in Material Safety Data Sheets available from Selleys.

Basis of Appraisal

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

Tests

17.1 Selleys Sealants have been tested to EN 15651-1 or ISO 11600 and meet the requirements of ISO 11600 for Type F, Class 20 or 25LM sealants. BRANZ has completed QUV-A exposure on the sealants with satisfactory results.

Other Investigations

- 18.1 Technical data sheets and Material Safety Data Sheets for Selleys Sealants have been obtained by BRANZ and found to be satisfactory.
- 18.2 A durability opinion has been given by BRANZ technical experts.

Quality

- 19.1 The manufacture of the products has not been examined by BRANZ, but details of the quality and composition of the materials used were obtained and found to be satisfactory.
- 19.2 Quality of supply to the market is the responsibility of Selleys.
- 19.3 Quality of installation of the products on-site is the responsibility of the sealant installer.
- 19.4 The quality of installation of the substrates is the responsibility of the substrate installer in accordance with the substrate manufacturers instructions.
- 19.5 Building designers are responsible for the design of the joints, and for the incorporation of the sealant into their design in accordance with the instructions of Selleys.
- 19.6 Building owners are responsible for the maintenance of Selleys Sealants in accordance with the instructions of Selleys.



Sources of Information

- BRANZ Bulletin No. 584 Sealed Joint Design - Claddings.
- BRANZ Bulletin No. 601 Sealants for Cladding Joints.
- National Construction Code 2022, Australian Building Codes Board.

Amendments

Amendment No. 1, dated 14 May 2025

This Appraisal has been amended to update the Appraisal Holder name.



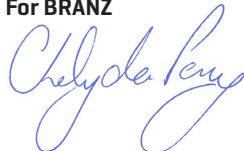
In the opinion of BRANZ, **Selleys Sealants** are fit for purpose and will comply with the Building Code to the extent specified in this Appraisal provided they are used, designed, installed and maintained as set out in this Appraisal.

The Appraisal is issued only to **DuluxGroup (New Zealand) Pty Ltd t/a Selleys**, 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. **DuluxGroup (New Zealand) Pty Ltd t/a Selleys**:
 - 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 workmanship;
 - 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 **DuluxGroup (New Zealand) Pty Ltd t/a Selleys**.
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 **DuluxGroup (New Zealand) Pty Ltd t/a Selleys** or any third party.

For BRANZ



Chelydra Percy

Chief Executive

Date of Issue:

06 April 2023