



SPECIFY WITH
CONFIDENCE

BRANZ Appraisals

Technical Assessments of products
for building and construction

**BRANZ
APPRAISAL
CERTIFICATE
No. 531 (2006)**

**PROTECTO JOIST
SADDLE FLASHING**

Marketed and Distributed by:
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Ltd**

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Product

1.1 The Protecto Joist Saddle Flashing is a moulded, one piece flashing for weatherproofing the junction where a timber joist cantilevers through from inside the building structure to the outside. This situation will arise with cantilevered timber decks.



Scope

2.1 The Protecto Joist Saddle Flashing has been appraised for use as a saddle flashing for timber joists of cantilevered decks of buildings within the following scope:

- the scope limitations of NZBC Acceptable Solution E2/AS1, Paragraph 1.1; and,
- situated in all Building Wind Zones of NZS 3604 up to and including 'Very High'.

Building Regulations

New Zealand Building Code (NZBC)

3.1 The Protecto Joist Saddle Flashing in the opinion of BRANZ, if designed, used, installed and maintained in accordance with the statements and conditions of this Certificate, will meet or contribute to meeting the following provisions of the NZBC:

Clause B2 DURABILITY: Performance B2.3.1 (b), 15 years. Protecto Joist Saddle Flashing meets this requirement. See Paragraph 8.1.

Clause E2 EXTERNAL MOISTURE: Performance E2.3.2. Protecto Joist Saddle Flashing meets this requirement. See Paragraph 10.1.

Clause F2 HAZARDOUS BUILDING MATERIALS: Performance F2.3.1. Protecto Joist Saddle Flashing meets this requirement and will not present a health hazard to people.

3.2 This Certificate appraises an Acceptable Solution in terms of New Zealand Building Code compliance.

Technical Specification

4.1 The Protecto Joist Saddle Flashing is moulded from UV stabilised polypropylene plastic and is coloured black.

Handling and Storage

5.1 The Protecto Joist Saddle Flashing must be stored in a dry place indoors, away from direct sunlight and heat. Care must be taken to ensure that the saddle flashing is not damaged before or during installation.

Technical Literature

6.1 Refer to the Appraisals listing on the BRANZ Website for details of the current Technical Literature for Protecto Joist Saddle Flashing. The Technical Literature must be read in conjunction with this Certificate. All aspects of design, use, installation and maintenance contained within the scope of this Certificate and the Technical Literature must be followed.

Design Information

General

7.1 The Protecto Joist Saddle Flashing is designed to fit directly over the timber joist and is designed to fit nominal 50 mm wide joists, 250 mm deep and smaller. The flashing has indication marks on the flashing that show where excess can be cut away when fitting to joists smaller than 250 mm deep.

7.2 The flashing is designed to prevent water leakage around cantilevered joists. It is suitable for use as a saddle flashing as prescribed in NZBC Acceptable Solution E2/AS1 Paragraph 7.2.11 and Figure 16.

Durability

Serviceable Life

8.1 Provided the Protecto Joist Saddle Flashing is not exposed to ultra-violet light for a total of more than 30 days and provided the exterior cladding is maintained in accordance with the cladding manufacturer's instructions and the cladding remains weather resistant, the Protecto Joist Saddle Flashing is expected to have a serviceable life compatible with that of the cladding.

Maintenance

9.1 No maintenance can be carried out on the Protecto Joist Saddle Flashings as they are inaccessible once the cladding, decking and scribes have been installed. The scribes must be maintained to ensure they protect the flashing from UV exposure.

External Moisture

10.1 The use of the Protecto Joist Saddle Flashing will meet the requirements of NZBC Clause E2.3.2 by preventing damage to building elements by protecting them from moisture.

10.2 The saddle flashing complies with the Saddle Flashing Detail as shown in NZBC Acceptable Solution E2/AS1 Figure 16.

Installation Information

Installation Skill Level Requirement

11.1 Installation of the Protecto Joist Saddle Flashing must be completed by tradespersons with a good understanding of flashing detailing, in accordance with instructions given within the Technical Literature and this Certificate.

General

12.1 The Protecto Joist Saddle Flashing is fitted over the joist, behind the cladding and under the decking material.

12.2 When fitted, all exposed sections of the Protecto Joist Saddle Flashing must be covered with scribes held in place by hot dipped galvanized flat head nails, nailed through the scribe and the flashing 10 mm from the outer edge to protect it from UV exposure.

Inspections

13.1 The manufacturer's Technical Literature and NZBC Acceptable Solution E2/AS1 Figure 16 must be referred to during the inspection of Protecto Joist Saddle Flashing installations by building consent authorities and territorial authorities.

Health and Safety

14.1 There are no particular health and safety requirements to consider when using Protecto Joist Saddle Flashing.

Basis of Appraisal

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

Other Investigations

16.1 An assessment was made of the durability of the Protecto Joist Saddle Flashing by BRANZ technical experts.

16.2 An assessment of the weathertightness of the saddle flashing was made by BRANZ technical experts.

16.3 Site inspections were carried out by BRANZ to examine the practicability of installation.

16.4 The Technical Literature has been examined by BRANZ and found to be satisfactory.

Quality

17.1 The manufacture of Protecto Joist Saddle Flashing has been examined by BRANZ and found to be satisfactory.

17.3 The quality of supply to the market is the responsibility of Marshall Waterproofing NZ/AUS Ltd.

17.4 The quality of installation on site is the responsibility of the building contractor.

Sources of Information

- NZS 3604:1999 Timber framed buildings.
- Compliance Document for New Zealand Building Code External Moisture Clause E2, Department of Building and Housing, Third Edition July 2005.
- New Zealand Building Code Handbook and Approved Documents, Building Industry Authority, 1992.
- The Building Regulations 1992, up to, and including October 2004 Amendment.



In the opinion of BRANZ, the Protecto Joist Saddle Flashing is fit for purpose and will comply with the Building Code to the extent specified in this Certificate provided it is used, designed, installed and maintained as set out in this Certificate.

The Appraisal Certificate is issued only to the Certificate Holder, Evadry Ltd, and is valid until further notice, subject to the Conditions of Certification.

Conditions of Certification

1. This Certificate:
 - 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. The Certificate Holder:
 - 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.
3. The product and the manufacture are maintained at or above the standards, levels and quality assessed and found satisfactory by BRANZ.
4. BRANZ makes no representation 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 the Certificate Holder.
5. Any reference in this Certificate to any other publication shall be read as a reference to the version of the publication specified in this Certificate.

For BRANZ

P Robertson
Chief Executive

Date of issue: 6 October 2006