Class 1
Building Product Information Sheet

About this form

This template has been developed to help manufacturers and importers into Aotearoa New Zealand provide the information required by the **Building (Building Product Information Requirements) Regulations 2022**.

How to use

- Download and save this form in your computer.
- Fill out the form with the relevant information about your product.
- You may use this filled out form and publish it on your product web page.

Types of building products

There are two classes of designated building products with different information requirements for each. The below summarises the information that must be provided for each class of product and when the information must be made available.

Class 1: Batch or mass-produced products

Batch or mass-produced products that are typically available for retail or wholesale purchase. For example, cladding products, mechanical fixings, insulation products, internal lining, roofing products, structural wood-based products, structural steel and reinforcing products, sanitary plumbing, and drainage products, including tapware (note: this is not an exhaustive list).

Class 2: Custom-made lines of products

Custom-made lines of products that are made to order to client specifications. For example, external window joinery and doors that have been customised to the specifications of individual clients (for example, specifications on dimensions and glass type).

MBIE provides resources to support manufacturers, importers, wholesalers, distributors, and retailers to understand what their obligations are, and how to meet them.

For more information, visit **Building product information requirements | Building Performance**

Background

The Building Amendment Act 2021 introduced new minimum information requirements for building products to support better informed decision-making by building consent authorities, building owners, builders, and designers. The new regulations designate several building products for which building product information must be provided and establish the minimum requirements for that information.

The new regulations will ensure better and more consistent information is available for these products, helping inform building consent authority decisions on building consent applications. This should result in fewer requests for information, and therefore faster processing times. In addition, the requirements will ensure people, including homeowners, are given the information they need to make good decisions about products, and use and maintain them as intended.

Please note that The Ministry of Business, Innovation and Employment (MBIE) is not responsible for the input details provided in the template.

Class 1
Building Product Information Sheet

Product name *(include the brand name)*:

SCREW FAST RIVETS - BLIND

Product description and its intended use *(measurements, materials, usage)*:

SCREW FAST RIVETS are used to fasten thin plates of metal together in roofing applications.

Available in the following diameters, 4.0mm (AS5-) and 4.8mm (AS6-).

Available in various lengths.

Minimum of 4.0mm (AS5-3) should be used in roofing applications.

Available in all colours.

Product identifier *(if applicable)*:

RIV

(This could be a Global Trade Item Number (GTIN) or quick response code (QR code), or any other distinguishable part/model number or identifier.)

Place of manufacture: ☐ Aotearoa New Zealand ☑ Overseas

Legal and trading name of the manufacturer(s):

Shanghai Fast-Fix Rivet Corp

Address for service:

STREET NAME 1151 Lian Xi Road SUBURB Shanghai

CITY, COUNTRY China POSTCODE 201204

Website: www.fastfix-rivet.com

Email address: sales@rivet-china.com

Phone no. *(if applicable)*:

NZBN *(if applicable)*:

Legal and trading name of the importer *(if applicable)*:

Nuts and Bolts and Screws Ltd - NBS LTD

Address for service:

STREET NAME	193 Waterloo Road	SUBURB	Hornby
CITY, COUNTRY	Christchurch NZ	POSTCODE	8042

Website:	www.nutsandboltsandscrews.co.nz
Email address:	sales@nutsandboltsandscrews.co.nz
Phone no. *(if applicable)*:	03 344 6090
NZBN *(if applicable)*:	1744284

Relevant Building Code clauses:

NZBC Clause B2 Durability
B2 1.0 Durability
B2 2.0 Maintenance
B2 Steel Figure 1 and Table 1
NZBC Clause E2 External Moisture
E2 4.4, 8.1.4, 8.4, 8.4.8, 8.4.9, 9.0, 9.1.2, 9.6, 9.6.4, 9.6.6,
E2 Figure 39
E2 Table 20

Statement on how the building product is expected to contribute to compliance:

Mechanical Properties : Aluminium/Steel Blind Rivets
Technical Requirements

Size	AXIAL TENSILE	SINGLE SHEAR	MATERIAL - Aluminium	DRILL BIT SIZE
4.0mm (5-3)	1020N	850N	5052	4.1MM
4.8mm (6-3)	1430N	1160N	5052	4.9MM
6.4mm (8-3)	2500N	2050N	5052	6.5MM

All values are obtained under laboratory conditions and appropriate safety factors must be applied for design purposes.
Aluminium body, steel mandrel.
Manufactured and tested in accordance with the below.
ISO/TS16949 Certified manufacturer.
DIN 7337
IFI 114 &126
IATF16949:2016
ISO9001:2015

NZBC Clause B2 requires durability of not less than 15 years on roofing and 5 years on external gutters.

- *options for compliance set out in section 19 of the Act (regulations, acceptable solution, verification method)*
- *standard or technical document that describes the performance of the building product or the relevant specifications to which the building product was manufactured*
- *physical properties of the building product*
- *how the building product is intended to be used.*

Limitations on the use of the building product:

All rivets (except fully sealed) require sealant to the head of the rivet, if moisture ingress may occur.

Design requirements that would support the appropriate use of the building product:

Joint Strength.
First determine the single-joint tensile and shear values required for the application. These are functions of total joint strength, fastener spacing, rivet body material and rivet diameter. Then refer to the Shear and Tensile loads on the product and select a rivet that provides the values required.

To be installed by a qualified trades person.

Installation requirements *(also provide link to the product installation guide)*:

Blind rivets are placed through a pre-drilled hole and are set by using a rivet tool withdrawing the mandrel. This expands the rivet body, clamping the material together. The mandrel eventually breaks free.

Maintenance requirements *(also provide link to the product maintenance guide)*:

E2 From Table 20 Material Selection
Note: 1) Refer to manufacturer's information for maintenance requirements in Exposed and Sheltered locations. 2) The term "hidden" means concealed behind another element such that no part is visible. Hidden elements require a 50 year durability under the NZBC. The term "exposed" means having surfaces exposed to rain washing. The term 'sheltered' means being visible, but not rain washed. For diagrammatic outline, refer NZS 3604 Figure 4.3(a). Exposed and sheltered elements require a 15 year durability. Where an element can be categorised as both 'sheltered' and 'exposed', the 'sheltered' condition will apply. 3) AS/NZS 2728 lists atmospheric classes derived from ISO 9223 for Australia and New Zealand, determined by exposure to wind-driven sea-spray. NZS 3604 references atmospheric classes B (Low), C (Medium) and D (High). E2/AS1 references atmospheric zones B,C,D,E. For the purposes of cladding selection, Zone E (Severe marine classified as breaking surf beach fronts) has been included. Designers must consult metal supplier's information for specific durability requirements of sites in Zone E. 4) The geographic limits of atmospheric classes in NZS 3604 and AS/NZS 2728 may vary. Table 20 uses the limits outlined in NZS 3604. 5) Includes fixings protected by putty and an exterior paint system of primer, undercoat and two top coats of paint. 6) Microclimates based on evidence from adjacent structures of corrosion caused by industrial or geothermal atmospheres are outside the scope of this Acceptable Solution. 7) Refer to Tables 21 and 22 for compatibility of fixings with metal claddings. 8) Roof only. Coated steel wall claddings must be considered as 'sheltered'. 9) Hidden steel coated elements in ventilated cavities in zones D and E (exposure to salt air) must be considered as 'sheltered' 10) The use of stainless steel fixings is not recommended by steel manufacturers for use with coated steel in severe marine and industrial environments, as they are considered to cause deterioration.
Rivets should be sponge washed at least once every thee months and more frequently for buildings in severe and very severe coastal environments (eg. close to beaches and coast lines), where rain washing does not occur.

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?:

☐ Yes ☑ No

If yes, description of the warning or ban under section 26:

Version: 1

Date: 2 0 1 0 2 3