

BUILDING PRODUCT INFORMATION SHEET

Nailbond® Premium

FAST CURING, ONE COMPONENT POLYURETHANE WALLBOARD AND GENERAL CONSTRUCTION ADHESIVE

DESCRIPTION

Nailbond® Premium is a fast curing, polyurethane based adhesive for bonding wallboards and flooring, and as a general construction adhesive. Nailbond® Premium cures by reaction with atmospheric moisture to form a tough, elastic adhesive.

USES

As a wallboard and flooring adhesive:

- Gib, James Hardie, or other wall linings to timber, metal or other surfaces
- Sheet flooring to timber floor joists

As a general construction adhesive in the bonding of common building materials such as:

- Tiles
- Bricks, masonry and concrete
- Polystyrene
- Plywood, fibre-cement board, compressed sheeting
- Metals**

LIMITATIONS OF USE

The product is not a substitute for any mechanical fixings that are specified by the manufacturer of the element being bonded

PRODUCT INFORMATION

Product identifier	Nailbond® Premium
Place of manufacture	Overseas
Composition	Polyurethane (PU)
Packaging	600 ml sausage unipacs/20 per carton
Shelf life	Twelve (12) months from production date if stored as stated.
Storage conditions	Store in unopened original packaging, in cool dry conditions between +10°C and +25°C.

A building element used for load bearing, bracing, structural support or other applications as defined in the NZBC, must be fastened in accordance with the specification / instructions from that elements manufacturer

If bonded elements require NZBC compliance, the maximum substrate moisture contents at the time of application must comply with E2/AS1 Paragraph 10.2

At least one of the bonding surfaces must be porous to enable the adhesive to cure effectively

For bonded elements requiring NZBC compliance only use in bonding applications that will remain dry.

FEATURES

- Non-shrinking, non-foaming (no expansion while curing)
- Flexible
- Suitable for interior/exterior use
- High strength, including high “grab” strength
- Excellent adhesion to most construction materials
- Suitable for use on LOSP treated H1.2 and H3.1 framing timber
- Fast curing

APPROVALS / CERTIFICATES

Independently tested for V.O.C. (Volatile Organic Compound) content, as a general purpose construction adhesive, for the purpose of Green Star rating. Test Certificate Ref. F0806-27

Colour Beige

Density 1.2 kg/litre

TECHNICAL INFORMATION

Service temperature -30°C to +75°C

APPLICATION INFORMATION

DESIGN REQUIREMENTS

There are no specific Sika design instructions for this product, when used as a general purpose adhesive. Refer to the product data sheet for general information at nzl.sika.com

If the building elements to be bonded are within the scope of the NZ Building Code then the bonding instructions of the manufacturer / supplier of those elements must be followed

APPLICATION

- When using Nailbond® Premium for the bonding of construction components it may be necessary to provide temporary mechanical support until the adhesive has cured.
- Cut nozzle at 45° angle to give a 5 - 8mm bead.

Ambient air temperature Application temperature: +5°C to +35°C

Curing rate 3mm per 24 hours (at 20°C, Relative Humidity 60%)

MAINTENANCE REQUIREMENTS

There are no maintenance requirements for this Sika product

The building element being bonded, and the bonding substrate must both be maintained in accordance with each of their manufacturers instructions

MANUFACTURER AND IMPORTER INFORMATION

Manufacturer information	Address	Sika Japan Ltd Hiratsuka, Kanagawa 254-0021, Japan
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Importer information	Address	Sika (NZ) Limited 85-91 Patiki Road Avondale, Auckland 1026 New Zealand
	Phone number	0800 745 269
	Website	https://nzl.sika.com/
	Email address	info@nz.sika.com
	NZBN	9429000018791

BUILDING CODE INFORMATION

Building Code clauses

Note: This product is an adhesive and on its own is not within the scope of the NZ Building Code. However, when it is used as part of an internal floor, wall, or ceiling system, or with other building elements that must comply with the NZ Building Code, and it is used in accordance with that material supplier's specification and Sika's technical literature, it will contribute to meeting the requirements of the following clauses:

B1 Structure: Performance clauses B1.3.1, B1.3.2, B1.3.3 (a, b, j, q), B1.3.4

B2 Durability: Performance clauses B2.3.1 - (b) not less than 15 Years, (c) not less than 5 years

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Building Code compliance statements

Performance B1.3.1, B1.3.2, B1.3.3 (a, b, j, q) B1.3.4: When used as an adhesive this product contributes to meeting the loading requirements that bonded lining elements are subjected to, as a result of self-weight, imposed in-use gravity loading, impact, and the effects of creep and shrinkage over time.

Performance B2.3.1 (b) 15 years and (c) 5 years: This product achieves these durability requirements and will remain serviceable for 15 years, or more, when installed and maintained in accordance with the relevant Sika technical literature. nzl.sika.com. According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 2009.

Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet nzl.sika.com for further information if required

BASIS OF PRODUCT DATA

All technical data in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

IMPORTANT CONSIDERATIONS

- Nailbond® Premium will not adhere to polyethylene, polypropylene, polybutylene, Polycarbonate, silicone or Teflon. If in doubt about the substrate suitability consult the Sika Technical Department or conduct preliminary adhesion tests.
- Always use Nailbond® Premium in conjunction with mechanical fixings for overhead applications or heavy components.
- For very heavy components provide temporary support until Nailbond® Premium has fully cured.
- *While Nailbond® Premium will bond to damp timber, note that damp timber will shrink and this can put stress on the bond.
- Nailbond® Premium is not to be used on Copper Naphthalate treated timber.
- Timber treatment inconsistency may cause a variation in adhesion and bond strength.
- After installation of the material to be bonded, Nailbond® Premium must have a minimum finished thickness of 1 - 2 mm.
- Protect from water for 2 - 3 hours after application.
- When applying Nailbond® Premium to prepainted surfaces conduct adhesion tests first.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS**SUBSTRATE PREPARATION**

- All surfaces must be clean, dry* (refer to the "Important Considerations" section) and free from any loosely adhering particles or surface contaminants such as dirt, dust, oil, grease, etc.
- For optimum results on porous substrates and in immersed applications, use Sika® Primer-3 N. Use Sika® Aktivator-205 as a surface cleaner/conditioner on non-porous substrates, such as galvanised steel framing.

PRIMING: Most substrates only require priming if testing indicates a need or where sealant will be subjected to water immersion after cure. **Consult Sika for additional information on specific substrates and cleaning/priming.

CLEANING OF EQUIPMENT

Clean tools immediately after use with Sika® Thinner C - cured Nailbond® Premium can only be removed mechanically.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are

accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above dis-

claimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

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