

# BUILDING PRODUCT INFORMATION SHEET

## Nailbond® SB Original

### Solvent based gap filling stud and wallboard adhesive

#### DESCRIPTION

Nailbond® SB Original is a flexible, extreme strength, no drip, no slump, easy to use gap filling heavy duty construction adhesive.

#### USES

It is designed for bonding a wide range of wallboards, panels and flooring to timber or metal studs, framing or joists. It is also suitable for bonding timber, particle board flooring, plywood, tiles, architraves, mouldings, metal or aluminium door/step strips, and many other common building materials.

#### LIMITATIONS OF USE

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

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

- Extremely strong bond
- Non-slump and non-drip, even in overhead situations
- Interior or exterior
- Suitable for LOSP and CAA treated timbers
- Gap filling
- Very good initial tack
- Still flexible when cured, will accommodate normal movement
- Suitable for most wallboard types – see limitations
- Guns easily in cold temperatures

#### PRODUCT INFORMATION

<b>Product Identifier</b>	Nailbond® SB Original
<b>Place of manufacture</b>	Overseas
<b>Composition</b>	Non-slumping solvent based adhesive
<b>Packaging</b>	375 ml standard cartridge, carton of 8 (Trade Pack) or 20 cartridges
<b>Shelf life</b>	Eighteen (18) months from date of production when stored as stated.
<b>Storage conditions</b>	Store properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +5°C and +30°C. Protect from direct sunlight.
<b>Colour</b>	Beige
<b>Solid content by mass</b>	~ 65%

#### TECHNICAL INFORMATION

<b>Movement capability</b>	Slight, will accept normal building movement
<b>Service temperature</b>	Up to +70°C

# APPLICATION INFORMATION

## APPLICATION

- Cut end off cartridge nozzle at a 45° angle to give a 5-6 mm bead.
- Fit cartridge into a caulking gun.
- Apply a continuous bead of adhesive to all studs, joists, dwangs and other bearing surfaces, paying particular attention to centres and edges of surfaces.

- **Sheet flooring:** Apply a continuous bead to all joists and other bearing surfaces.
- **Wallboards:** Follow instructions of wallboard or panel manufacturer. Locate panels on the adhesive within 10 minutes and press firmly. When mechanical fixings are not used, panels should always be braced for a minimum of 24 hours before removing. Note: Cold temperatures and poor ventilation will slow the rate of evaporation of the solvent and a longer bracing time may be required. If bracing is not practical, apply the adhesive and place as above, then immediately remove the panel and allow the solvent to escape. Relocate panel, taking care to ensure that the glue lines match up.

<b>Yield</b>	Gun application: On average one 375 ml cartridge will supply 20 metres of 5 mm bead.
<b>Ambient air temperature</b>	Application temperature: +5°C to +50°C
<b>Curing time</b>	90% of strength is gained between 8-24 hours. Full cure is achieved in 7 days (at 20°C).

## MANUFACTURER AND IMPORTER INFORMATION

<b>Manufacturer information</b>	Address	Sika Supply Centre AG Industriestrasse 26 6060, Sarnen Switzerland
<b>Importer information</b>	Address	Sika (NZ) Limited 85-91 Patiki Road Avondale, Auckland 1026 New Zealand
	Phone number	0800 745 269
	Website	<a href="https://nzl.sika.com/">https://nzl.sika.com/</a>
	Email address	info@nz.sika.com
	NZBN	9429000018791

## BUILDING CODE 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](http://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

### 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

F2 Hazardous Building Materials: Performance clause F2.3.1

### 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.

## NZ BUILDING PRODUCT INFORMATION SHEET

Nailbond® SB Original  
12/12/2024 File version 1.0  
020513070000000006

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](http://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 2004.

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](http://nzl.sika.com) for further information if required

## 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

## 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

- Do not use Nailbond® SB Original for bonding acrylic shower panels, use Sika Showerbond.
- Do not use Nailbond® SB Original as part of an approved fire rating system for timber/fibrous plaster, eg Gib® plaster-board, Hardiflex and cavity wall constructions. Mechanical fastenings must still be used. Refer to the manufacturers instructions of the Fire Rated System being used.
- Not for use on polystyrene.
- Not for use in contact with bitumen.
- Will soften and craze most plastics.
- The time taken for Nailbond® SB Original to achieve full strength will increase significantly when bonding between two non-porous surfaces.
- While Nailbond® SB Original will bond to damp timber, note that, as the timber subsequently dries and shrinks, the bond line will be placed under considerable stress and the adhesive could fail.
- Good ventilation is required to allow solvent to evaporate and dissipate into the atmosphere.
- While 90% of strength is gained between 8 - 24 hours, full cure is achieved in 7 days.

## 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, and free from all dust, laitance, scale, rust, loose particles, grease and foreign matter. Nailbond® SB Original will bond to damp timber but note that damp timber will shrink and this will put stress on the bond. It is always best practice to use dry timber.

### CLEANING OF EQUIPMENT

Clean up using Sika® Thinner C.

### 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 disclaimer 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.

**Sika (NZ) Limited**

85-91 Patiki Road  
Avondale, Auckland 1026  
New Zealand  
0800 745 269  
[www.sika.co.nz](http://www.sika.co.nz)

**NZ BUILDING PRODUCT INFORMATION SHEET**

Nailbond® SB Original  
12/12/2024 File version 1.0  
020513070000000006

NZBPIS-4867-7502-7502-en-GB-1.0

