

PRODUCT DATA 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.

CHARACTERISTICS / ADVANTAGES

- 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

APPROVALS / STANDARDS

NZ Building Code Compliant

- B1 Structure. When used as a component of compliant building element systems
- B2 Durability: Clauses B2.3.1 (b) 15 years. (c) 5 years
- F2 Hazardous Building Materials: Clause F2.3.1

PRODUCT INFORMATION

Chemical Base	Non-slumping solvent based adhesive
Packaging	375 ml standard cartridge, carton of 8 (Trade Pack) or 20 cartridges
Colour	Beige
Shelf Life	Eighteen (18) months from date of production when stored as stated.
Storage Conditions	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.
Solid content by weight	~ 65%

TECHNICAL INFORMATION

Movement Capability	Slight, will accept normal building movement
Service Temperature	Up to +70°C

APPLICATION INFORMATION

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

BASIS OF PRODUCT DATA

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

LIMITATIONS

- 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® plasterboard, 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.

APPLICATION METHOD / TOOLS

- 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.

CLEANING OF TOOLS

Clean up using Sika® Thinner C.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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.

Sika (NZ) Limited

85-91 Patiki Road
Avondale, Auckland 1026
New Zealand
0800 745 269
www.sika.co.nz



Product Data Sheet
Nailbond® SB Original
November 2024, Version 03.01
02051307000000006

NailbondSBOriginal-en-NZ-(11-2024)-3-1.pdf

