

PRODUCT DATA SHEET

SikaBond®-124 Instant Nails

HIGH STRENGTH MULTIPURPOSE ADHESIVE

DESCRIPTION

SikaBond®-124 Instant Nails is a 1-part, rigid, adhesive with high final strength that bonds most common construction & industry material substrate. Internal and external use.

USES

An adhesive to bond most components, such as:

- Skirting boards
- Wooden frames
- Battens
- Panels
- Mouldings
- Hard PVC profiles
- Sheet boards
- Metal protection angles

CHARACTERISTICS / ADVANTAGES

- Easy to apply
- Rapid initial grab after flash off
- Rapid strength gain
- Wide adhesion range

PRODUCT INFORMATION

Chemical Base	Synthetic rubber
Packaging	333 g cartridge, 12 cartridges per box
Colour	Wood Brown
Shelf Life	12 months from the date of production
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.
Density	~1.20 kg/l (ASTM D1002)

TECHNICAL INFORMATION

Shore A Hardness	~80 (after 28 d) (ISO 868)
Shear Strength	~3.5 N/mm ² (0.1 mm adhesive thickness) (ASTM D1002)
Service Temperature	-30 °C min. / +60 °C max. (maximum 5 freeze / thaw cycles)

APPLICATION INFORMATION

Yield	<u>1 Cartridge (333 g)</u> ~11 m bead	Dimension
	~100 spots	Nozzle diameter = 6 mm ~30 g per linear meter
		Diameter = 30 mm Thickness = 4 mm
Ambient Air Temperature	+5 °C min. / +40 °C max.	
Substrate Temperature	+5 °C min. / +40 °C max., min. 3 °C above dew point temperature	
Open Time	~1-5 min (23 °C / 50 % r.h.)	

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

- For good workability, the adhesive temperature should be +20 °C
- Application during high temperature changes is not recommended (movement during curing).
- Before bonding, check adhesion and resistance of paints and coatings by carrying out a trial.
- **Sensitive application:**
SikaBond®-124 Instant Nails contains solvents that might degrade and affect sensitive components and substrates (e.g. plastics). Before using on any of the below substrates, ensure compatibility by carrying out preliminary trials. Or contact Sika Technical Services:
 - +) Overpainting
 - +) Mirrors
 - +) Natural Stone
 - +) Plastics, such as, polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE/ Teflon) and certain plasticised synthetic materials
- Colour variations may occur due to exposure to chemicals, high temperatures and/or UV-radiation. Discolouration does not adversely affect the technical performance or durability of the product.
- Always use SikaBond®-124 Instant Nails in conjunction with mechanical fixings for overhead applications or heavy components.
- For very heavy components, provide temporary support until SikaBond®-124 Instant Nails has fully cured.
- Single Bond Method: Full surface applications / fixings are not recommended since the inner part of the adhesive layer may never cure.
- High levels of humidity or exposure to water can lead to adhesion failure.
- Excessive movement can lead to adhesion failure.
- **Limitations:**
 - +) Do not use on bituminous substrates, natural rubber, EPDM rubber or on any building materials which might leach oils, plasticisers or solvents that could degrade the adhesive.
 - +) Do not use for bonding glass if the bond line is exposed to sunlight.

+) Do not use for structural bonding.

ECOLOGY

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, sound, dry and free of oil, grease and surface contamination. Thoroughly remove all loose flaking particles and dust. Light abrasion is recommended for improved adhesion.

APPLICATION METHOD / TOOLS

One Way Method

This method is recommended for heavier panels or where load or stress is expected. Apply a 4 to 6 mm bead of SikaBond®-124 Instant Nails using a cartridge gun, making sure the beads are no more than 50 mm apart. Bring both substrates immediately together and clamp, nail or screw for a minimum of 24 hours. For butt joints use adhesive on both panel edges.

Two Way Method

Apply adhesive as in one way method, bring together substrates, and press firmly over entire surface to transfer adhesive. Then pull apart. Allow adhesive to dry off up to 3 minutes (depending on ambient conditions) reposition the objects and press together with a hammer and a padded block to ensure maximum contact. Maximum bond strength will be achieved in 12 to 72 hours, depending on substrates and environmental conditions. Heavy panels may require temporary mechanical fastening until maximum strength is achieved.

CLEANING OF TOOLS

Clean all tools and application equipment immediately after use with Sika® Remover-208. Once cured, hardened material can only be removed mechanically. For cleaning skin use Sika® Cleaning Wipes-100.

LOCAL RESTRICTIONS

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

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.

Sika Taiwan Ltd.

No. 1380, Sec. 3, Fu-Kwo Rd., Luchu Dist.
338009 Taoyuan City, Taiwan, R.O.C.
TEL: 03 352 8622 . FAX: 03 352 0470
sika@tw.sika.com . tw.sika.com



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