

PRODUCT DATA SHEET

SikaBond®-114 Grip Tight

INTERIOR AND EXTERIOR GRAB ADHESIVE

DESCRIPTION

SikaBond®-114 Grip Tight is a 1-part construction adhesive with high final strength which bonds most construction material substrates. Internal and external use.

USES

An adhesive to bond most construction components such as:

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

An adhesive to bond most construction materials such as:

- Concrete, mortar, fibre cement, wood and paint
- Other various porous and non-porous construction materials.

CHARACTERISTICS / ADVANTAGES

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

PRODUCT INFORMATION

Chemical Base	Rubber resin based
Packaging	290 ml cartridge, 12 cartridges per box
Colour	Beige
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 +25 °C. Always refer to packaging.
Density	~1.25 kg/l (ISO 1183-1)

TECHNICAL INFORMATION

Shore A Hardness	~64 (after 28 d)	(ISO 868)
Shear Strength	~2.5 N/mm ² (0.1 mm adhesive thickness)	(EN 1465)
Service Temperature	-20 °C min. / +50 °C max.	

APPLICATION INFORMATION

Yield	1 Cartridge (290 ml)	
	Yield	Dimension
	~100 spots	Diameter = 30 mm
	~15 m bead	Thickness = 4 mm
		Nozzle diameter = 5 mm
		(~20 ml per linear meter)
Sag Flow	0 mm (20 mm profile, 23 °C)	(ISO 7390)
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.)	

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be sound, clean, dry and free of all contaminants such as dirt, oil, grease, cement laitance, old sealants and poorly bonded paint coatings which could affect adhesion.

Removal techniques such as wire brushing, grinding, sanding or other suitable mechanical tools can be used.

All dust, loose and friable material must be completely removed from all surfaces before application of adhesive.

For critical, high performance applications, contact Sika Technical Services for more information.

APPLICATION METHOD / TOOLS

Single Bond Method

After the necessary substrate preparation, prepare the end of the cartridge before or after inserting into the sealant gun then fit the nozzle.

Apply in beads, strips or spots at intervals of a few centimetres each. Use hand pressure only to fix the components to be bonded into position before skinning of the adhesive occurs. Incorrectly positioned components can easily be unbonded and repositioned during the first few minutes after application. If necessary, use temporary adhesive tapes, wedges, or supports to hold the assembled components together during the initial curing time. The recommended adhesive layer thickness (depending on surface evenness) is < 3 mm. For immediate grab fixing, the thickness of the adhesive layer must be ≤ 1 mm.

Double Bond Method

After the necessary substrate preparation, prepare the end of the cartridge before or after inserting into the sealant gun then fit the nozzle.

Apply in beads, strips or spots in intervals of a few centimetres each. If necessary, use a notched trowel to distribute the adhesive evenly. Use hand pressure only to fix the component to be bonded into position to ensure adequate adhesive transfer to the substrate. Separate the component from the substrate, then allow the adhesive to dry for 5 minutes before pressing the component finally into position. No further adjustments are possible after final positioning.

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.

LIMITATIONS

- SikaBond®-114 Grip Tight contains solvents that might degrade and affect sensitive components and substrates (e.g. plastics).
- 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.
- Fresh, uncured adhesive remaining on the surface must be removed immediately. Final strength will be reached after complete curing, i.e. after 24 to 48 hours at +23 °C, depending on the environmental conditions and adhesive layer thickness
- SikaBond®-114 Grip Tight can be overpainted with most conventional water-based coating and paint systems. However, paints must first be tested to ensure compatibility by carrying out preliminary trials. The best over-painting results are obtained when the adhesive is allowed to fully cure first. Note: non-flexible paint systems may impair the elasticity of the adhesive and lead to cracking of the paint film.
- 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®-114 Grip Tight in conjunction with mechanical fixings for overhead applications or heavy components.
- For very heavy components, provide temporary support until SikaBond®-114 Grip Tight has fully cured.
- Single Bond Method: Full surface applications / fixings are not recommended since the inner part of the adhesive layer may never cure.
- Before using on natural stone, contact Sika Technical Service.
- 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 on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon) and certain plasticised synthetic materials. Preliminary trials should be carried out or contact Sika Technical Services.
- Do not use on expanded polystyrene (EPS / XPS).
- Do not use for bonding glass if the bond line is exposed to sunlight.
- Do not use for bonding mirrors.
- Do not use for structural bonding.

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Product Data Sheet
SikaBond®-114 Grip Tight
June 2020, Version 02.01
02051307000000069

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.

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.

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.

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.

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