

# PRODUCT DATA SHEET

## SikaSeal®-173

Bitumen-based sealant and adhesive for bituminous and damp surfaces

### DESCRIPTION

SikaSeal®-173 is a bitumen-based sealant and adhesive reinforced with cellulose fibers. It has good weathering resistance and can be used in many roofing and below-ground waterproofing applications.

### USES

SikaSeal®-173 is used for sealing in the following areas:

- Roof sheeting
- Rain gutters
- Chimney flashing
- Downpipes
- Holes and cracks in roofs and walls
- Below ground joints and around pipe penetrations against Sika BlackSeal® bituminous membranes

SikaSeal®-173 is used for bonding the following materials:

- Loose roof felts

SikaSeal®-173 is used on many construction materials and substrates such as:

- Bitumen
- Metal
- Wood

For information about unsuitable substrates or substrates of limited suitability, refer to section Substrate quality.

SikaSeal®-173 is used for exterior applications.

Contact Sika Technical Services for additional information.

### CHARACTERISTICS / ADVANTAGES

- Very good adhesion to bituminous substrates
- Very good adhesion to many roofing materials
- Good adhesion to damp surfaces
- Fibre-reinforced
- Very good resistance to UV exposure
- Very good resistance to weathering
- Does not require primer

### PRODUCT INFORMATION

<b>Chemical Base</b>	Bitumen based, reinforced with cellulose fibres	
<b>Packaging</b>	300 ml cartridges	
<b>Colour</b>	Black	
<b>Shelf Life</b>	15 months from date of production	
<b>Storage Conditions</b>	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 the packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
<b>Density</b>	1.30 kg/L	(ISO 1183-1)

## TECHNICAL INFORMATION

Service Temperature	Maximum	+70 °C
	Minimum	-20 °C

## APPLICATION INFORMATION

Product Temperature	Maximum	+35 °C
	Minimum	+5 °C

Ambient Air Temperature	Maximum	+35 °C
	Minimum	+5 °C

Substrate Temperature	Maximum	+35 °C
	Minimum	+5 °C

The substrate temperature must be +3 °C above dew point temperature and free from frost and ice.

## 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

- SikaSeal®-173 cannot be overpainted
- Do not use SikaSeal®-173 for submerged joints
- Do not use SikaSeal®-173 to seal joints in and around swimming pools
- Do not use SikaSeal®-173 in direct contact with other sealants and/or adhesives
- Do not use SikaSeal®-173 as a glass sealer
- Do not use SikaSeal®-173 on natural stone

## 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

#### IMPORTANT

#### Poor adhesion due to inadequate substrate preparation

1. Test the adhesion on a project-specific substrate.
2. Agree on the substrate preparation procedure with all parties before full project application.
3. Contact Sika Technical Services for additional information.

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

The substrate must be of sufficient strength to resist

the stresses induced by the sealant during movement. If tested, or supported by experience, the Product can be used without primers or activators on a wide variety of construction substrates.

1. Use techniques such as wire brushing, grinding, grit blasting or other suitable mechanical tools to remove all weak substrate material.
2. Completely remove all dust, loose and friable material from all surfaces before application of the sealant.

### APPLICATION

#### IMPORTANT

#### Strictly follow installation procedures

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

#### IMPORTANT

#### Absorbency of natural stone substrates

Staining from plasticiser migration may occur when used on natural stone such as granite, marble or limestone substrates.

1. Carry out preliminary trials before full project application.
2. Contact Sika Technical Services for further advice.

#### SEALING APPLICATIONS

1. Cut the end off the threaded stub on cartridge, screw on nozzle and cut nozzle to desired bead size at a 45° angle.
2. Insert the cartridge into the application gun.
3. Apply the SikaSeal®-173 into the joint. **Note!** Avoid air entrapment. Make sure that the SikaSeal®-173 comes into full contact with the adhesion area of the joint.
4. As soon as possible after application, use a suitable tool such as a spatula to smooth the sealant firmly against the joint sides to ensure adequate adhesion and a smooth finish.
5. It is recommended to use masking tape where exact joint lines or neat lines are required. Remove the tape within the skin time. Do not use tooling products containing solvents.

## BONDING APPLICATIONS

1. Apply SikaSeal®-173 to the surface of the component to be bonded and then press it onto the substrate.
2. If necessary, use temporary adhesive tapes and spacers to hold the assembled components together during the initial curing time and ensure the desired bond line thickness.

## CLEANING OF TOOLS

Clean all tools and application equipment with a cleaning agent such as acetone or white spirit immediately after use. Hardened material can only be removed mechanically.

## 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

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