

# PRODUCT DATA SHEET

## SikaSeal®-173

Bitumen-based sealant and adhesive for bituminous and damp surfaces

### PRODUCT DESCRIPTION

SikaSeal®-173 is a bitumen-based sealant and adhesive reinforced with cellulose fibers. It provides very good resistance to weathering for many roofing applications.

### USES

The Product is used for sealing in the following areas:

- Roof sheeting
- Rain gutters
- Chimney flashing
- Downpipes
- Holes and cracks in roofs
- Holes and cracks in walls

The Product is used for bonding the following materials:

- Loose roof felts

The Product 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.

The Product 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

### PRODUCT INFORMATION

<b>Chemical Base</b>	Bitumen based, reinforced with cellulose fibres
<b>Packaging</b>	300 ml cartridges Refer to the current price list for available packaging variations.
<b>Shelf Life</b>	12 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 packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.	
<b>Colour</b>	Black	
<b>Density</b>	1.3 kg/l	(ISO 1183-1)

## TECHNICAL INFORMATION

<b>Service Temperature</b>	<b>Maximum</b>	+70 °C
	<b>Minimum</b>	-20 °C

## APPLICATION INFORMATION

<b>Substrate Temperature</b>	Beware of condensation. Substrate temperature during application must be at least +3 °C above dew point.
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## VALUE BASE

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

## ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

#### Poor adhesion due to inadequate substrate testing

Note: Test adhesion on project-specific substrates and agree on procedures with all parties before full project application. For more information contact Sika Technical Services.

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. Open the seal on the top of the cartridge or open the end of the foil pack.
2. Fit the nozzle and cut it to the desired bead size.
3. Insert the Product into the application gun.
4. Apply the Product into the joint. Note Avoid air entrapment. Make sure that the Product comes into full contact with the adhesion area of the joint.
5. 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.

#### BONDING APPLICATIONS

1. Apply the Product 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

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.

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### Product Data Sheet

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