

PRODUCT DATA SHEET

Sika BlackSeal®-1

BITUMEN-BASED CONSTRUCTION SEALANT

DESCRIPTION

Sika BlackSeal®-1 is a 1-component bitumen based construction sealant with good adhesion to most common construction materials.

USES

Sika BlackSeal®-1 is designed for external sealing and repairing applications on roofs, walls, tanking membranes and other building elements.

CHARACTERISTICS / ADVANTAGES

- Bonds to many substrates such as concrete, masonry, timber, metal, bitumen coatings & membranes and polymer bitumen roofing
- Does not require primer
- Easy to apply
- Can be applied on damp non-porous substrates

PRODUCT INFORMATION

Chemical Base	Bitumen based
Packaging	300 ml cartridges, 12 cartridges per box
Colour	Black
Shelf Life	Sika BlackSeal®-1 has a shelf life of 12 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.
Storage Conditions	Sika BlackSeal®-1 shall be stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C.
Density	~1.30 kg/l (ISO 1183-1)
Solid Content	~85 %

TECHNICAL INFORMATION

Service Temperature	-20 °C to +70 °C
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APPLICATION INFORMATION

Sag Flow	< 3 mm (20 mm profile, 23 °C) (ISO 7390)
Ambient Air Temperature	+5 °C to +40 °C, min. 3 °C above dew point temperature
Substrate Temperature	+5 °C to +40 °C

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed.

APPLICATION METHOD / TOOLS

Sika BlackSeal®-1 is supplied ready to use. Insert a cartridge into the sealant gun and extrude Sika BlackSeal®-1 into the joint making sure that it comes into full contact with the sides of the joint and avoids any air entrapment. Sika BlackSeal®-1 sealant must be firmly tooled against the joint sides to ensure adequate adhesion.

It is recommended to use masking tape where exact joint lines or neat lines are required. Remove the tape within the skin time. Use a compatible tooling agent to smooth the joint surfaces. Do not use tooling products containing solvents.

For lap joints, apply a sufficient amount of Sika BlackSeal®-1 to bridge the gap and then press the surfaces together while they are still tacky, leaving a 2 mm sealant film.

CLEANING OF TOOLS

Clean all tools and application equipment immediately after use with Sika Thinner C. Once cured, residual material can only be removed mechanically.

FURTHER DOCUMENTS

- Safety Data Sheet (SDS)

LIMITATIONS

- Sika BlackSeal®-1 cannot be overpainted.
- Do not use Sika BlackSeal®-1 for submerged joints.
- Do not use Sika BlackSeal®-1 as a glass sealer.
- Do not use Sika BlackSeal®-1 to seal joints in and around swimming pools.
- Do not use Sika BlackSeal®-1 on natural stone.
- Do not use Sika BlackSeal®-1 in direct contact with other sealants and/or adhesives.

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. 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



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