

PRODUCT DATA SHEET

Sika BlackSeal® BT

Butyl rubber construction joint sealant and adhesive

DESCRIPTION

Sika BlackSeal® BT is a butyl rubber, high solids, joint sealant and adhesive. The high solids formulation provides excellent gap filling properties without shrinkage.

USES

Sealing, bonding and repairing:

- Bitumen roof felt
- Walls
- Other non-structural building elements
- For interior and exterior use

CHARACTERISTICS / ADVANTAGES

- 1-part ready to use
- Dual use sealant and adhesive
- Good adhesion to a range of substrates
- Does not require primer
- Can be applied on damp substrates

PRODUCT INFORMATION

Composition	Butyl rubber	
Packaging	300 ml cartridge	12 cartridges per box
Colour	Black	
Shelf life	24 months from date of production	
Storage conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging.	
Density	~1,80 kg/l	(ISO 1183-1)
Solid content	~85 %	

TECHNICAL INFORMATION

Service temperature	-20 °C min. / +70 °C max
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APPLICATION INFORMATION

Backing material	Use closed cell, polyethylene foam backing rod	
Sag flow	< 3 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. Minimum +3 °C above dew point temperature
Tack free time	~25 minutes

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.

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.

IMPORTANT CONSIDERATIONS

- Cannot be overpainted.
- Do not use for submerged joints.
- Do not use as a glass sealer.
- Do not use to seal joints in and around swimming pools.
- Do not use on natural stone.
- Do not use in direct contact with other sealants and/or adhesives.
- Before using Sika BlackSeal® BT on plastic substrates, compatibility pre-trials must be carried out.

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 of the adhesive / sealant. The substrate should be of sufficient strength to resist with the stresses induced by the sealant during movement. 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. Sika BlackSeal® BT adheres without primers and/or activators.

MIXING

1-part ready to use

APPLICATION METHOD / TOOLS

BONDING PROCEDURE

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

Lap joints

Extrude product on the joint area to produce a final minimum thickness of 2,0 mm. Use hand pressure only to fix the components to be bonded into position while they are still tacky and before skinning of the adhesive occurs.

Adhesive

Extrude product onto both component contact surfaces then press the surfaces together. Pull the components apart and wait for ~ 10 minutes until Sika BlackSeal® BT is tack-free then press the surfaces together again.

If necessary, use temporary adhesive tapes, wedges, or supports to hold the assembled components together during the initial curing time.

SEALING PROCEDURE

Masking

It is recommended to use masking tape where neat or exact joint lines are required. Remove the tape within the skinning time after finishing.

Joint Backing

After the required substrate preparation, insert a suitable backing to the required depth.



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Priming

Prime the joint surfaces as recommended in substrate preparation. Avoid excessive application of primer to avoid causing puddles at the base of the joint.

Application

Prepare the end of the cartridge before or after inserting into the sealant gun then fit the nozzle. Extrude Sika BlackSeal® BT into the joint ensuring that it comes into full contact with the sides of the joint and avoiding any air entrapment.

Finishing

As soon as possible after application, sealant must be firmly tooled against the joint sides to ensure adequate adhesion and a smooth finish.

Use a compatible tooling agent (e.g. Sika® Tooling Agent N) to smooth the joint surface. Do not use tooling products containing solvents.

CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using Sika® Remover-208 immediately after use. Hardened / cured material can only be mechanically removed. For cleaning skin use EVERBUILD WONDER WIPES® Multi-Use.

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.

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