

PRODUCT DATA SHEET

SikaBond®-139 Filler Block

1-part polyurethane adhesive for fixing and sealing filler blocks

DESCRIPTION

SikaBond®-139 Filler Block is a 1-part, elastic adhesive based on polyurethane which is designed for joining various construction materials, in particular metal, concrete and synthetics.

USES

Particularly suited for fixing and sealing filler blocks (rubber or concrete based) to the web of grooved rails for in-street installation of trackwork.

CHARACTERISTICS / ADVANTAGES

- Excellent weathering and ageing resistance
- Usually no need for temporary fixation
- Vibration reducing
- Sound absorbing
- Levels out tolerances

PRODUCT INFORMATION

Composition

Packaging Sausages cont. 600 ml (770 g), 20 per box

Colour Black

Shelf life 12 months from date of production

Storage conditions The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10°C and +25°C. Always refer to packaging.

Density ~ 1,3 kg/l (DIN 53479)

TECHNICAL INFORMATION

Shore A hardness 25 ± 5 (after 28 days) (DIN 53505)
Shore hardness assists with material identification and assessing the curing progress on site.

Tensile strength 1,5 MPa (DIN 53504)

Tensile strain at break > 500 % (DIN 53504)

Peel resistance ~ 1 N/mm² (DIN 53289)

Skinning time ~ 230 min (DIN 50014-23/50-2)

Chemical resistance

Long-term resistant against:

- Water
- Sea water
- Limewater
- Neutral detergents

Short-term resistant against:

- Mineral oils, diesel fuel

Short-term or no resistance against:

- Organic solvents (ester, ketone, aromates), alcohol and thinners
- Concentrated lyes and acids

Contact Sika Technical Services for specific information.

Service temperature

min. - 40°C / max. + 90°C
Short-term up to + 150°C

APPLICATION INFORMATION

Consumption

~1,3 kg per litre of volume

Product temperature

min. +5 °C / max. +35 °C

Ambient air temperature

min. +5 °C / max. +40 °C

Relative air humidity

min. 30 % / max. 90 %

Dew point

Substrate temperature min. 3 °C above dewpoint

Substrate temperature

min. +5 °C / max. +35 °C

Substrate moisture content

Dry

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

Substrate must be clean and dry, homogeneous, free from oils and grease, dust and loose or friable particles. Cement laitance, poorly adhering particles and incompatible paints must be removed.

SUBSTRATE PREPARATION

To improve adhesion, apply Icosit® KC 330 Primer as a primer on absorbent substrates (concrete). Waiting time between application of Icosit® KC 330 Primer and application of SikaBond®-139 Filler Block min. 1 hour and max. 3 days.

APPLICATION METHOD / TOOLS

SikaBond®-139 Filler Block is supplied ready to use. Insert sausage into sealant gun and firmly extrude bead of adhesive. If necessary spread SikaBond®-139 Filler Block by means of a spatula.

Place the element onto the adhesive and press it firmly.

Ensure excess extruded adhesive is tooled off or smoothed by trowel (depending on application)

CLEANING OF EQUIPMENT

Mixing and application tools must be cleaned at regular intervals and immediately after use with Sika® Reinigungsmittel-5. Hardened material can only be removed mechanically.

FURTHER INFORMATION

- For easier application we recommend a material temperature of +15 °C.
- For a proper curing a certain air humidity is mandatory.
- For handling / shipping of preassembled track parts a mechanical temporary fixation may be necessary because the product could be not finally cured after 1 or 2 days (depending on detailed installation situation, temperature and air humidity).
- During curing the product should not get in contact with alcohol containing substances (e.g. thinner, solvents etc.) because this will harm or avoid the curing reaction.

BASIS OF PRODUCT DATA

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

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October 2020, Version 01.02
020202020060000004

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.

ECOLOGY, HEALTH AND SAFETY

GISCODE: PU50

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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SikaBond-139FillerBlock-en-DE-(10-2020)-1-2.pdf