

# Sika Boom® GS

1-part, expansive, gun applied polyurethane fixing foam

**Product Description / Uses** Sika Boom® GS is used for fixing, insulating and filling connection joints around window and door frames, around air-conditioning vents and roller blind housings etc. It is also used for insulation against sound, cold and draughts etc.

**Characteristics / Advantages**

- Easy application with the Sika® dispenser gun
- Fast curing
- Excellent temperature insulation
- Effective sound dampening
- CFC / HFC-free

## Product Data

**Colour** Beige

**Packaging** 750 ml can (12 cans per box)

**Storage Conditions / Shelf Life** 9 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +23°C.

The aerosol can has to be stored in a vertical position!  
An opened can must be used within ~ 4 weeks.

## Technical Data

**Chemical Base** 1-part Polyurethane, moisture curing

**Density** 18 kg/m<sup>3</sup> (± 4 kg/m<sup>3</sup>)

**Tack Free Time** 8 minutes approx.<sup>1</sup>

**Curing Time** A 20 mm bead of expanded foam can be cut after 25 minutes approx.<sup>1</sup>.  
Full cured after 12 hours<sup>1</sup>.

**Service Temperature** -30°C to +80°C

**Water Absorption Coefficient** < 1% of Volume (cut surface)

**Compressive Strength** 0.10 N/mm<sup>2</sup> approx.<sup>1</sup> with 10% deformation (DIN 53 421)

**Shear Strength** 0.07 N/mm<sup>2</sup> approx.<sup>1</sup> (DIN 53 427)

**Tensile Strength** 0.14 N/mm<sup>2</sup> approx.<sup>1</sup> (DIN 53 430)

**Elongation at Break** 24% approx.<sup>1</sup> (DIN 53 430)

**Dimensional stability** ± 10% approx.<sup>1</sup>

<sup>1</sup> 23°C / 50% r.h.



## System Information

### Application Details

**Consumption** Consumption can be regulated by adjusting the pressure valve of the Sika® Dispenser gun.

*Yield:*  
750 ml can up to 37 l (± 3 l)

**Substrate Quality** Clean and dry, homogeneous, free from oils and grease, dust and loose or friable particles.

**Substrate Preparation** Pre-dampen the substrate with clean water, this ensures that the foam cures optimally and also prevents secondary foam expansion later on.

### Application Conditions / Limitations

**Substrate Temperature** +10°C min. / +30°C max.

**Ambient Temperature** +10°C min. / +30°C max.

**Relative Air Humidity** Between 30% and 95%

### Application Instructions

#### Application Method / Tools

Shake the can thoroughly before use (~ 20 times). Remove the small black lid from the Sika Boom® GS aerosol can. Screw the Sika Boom® GS can on to the Sika Boom®-G Dispenser. Gently press the trigger of the Sika Boom®-G Dispenser to apply the foam. Where small gaps have to be filled use the extension tube supplied (the foam flow rate is lower with the extension tube). Take care to allow each layer to cure sufficiently by spraying water or allowing sufficient waiting time between the layers. Do not fill up hollow sections completely as the foam expands by 1.5 to 2 times its volume during curing! All fixings and components etc must be temporarily supported until the foam has hardened.

Do not take the Sika Boom® GS can off of the Sika Boom®-G Dispenser unless absolutely necessary. Taking the can off of the Sika Boom®-G Dispenser, without thorough cleaning with Sika Boom® Cleaner, can lead to premature curing and non-functioning of the Sika Boom®-G Dispenser. The safest way is to keep the Sika Boom® GS can mounted onto the Sika Boom®-G Dispenser until empty.

#### Cleaning of Tools

Remove fresh spots of foam immediately using a cleaner such as Sika Boom® Cleaner / Sika® Remover-208. Cured foam can only be removed mechanically.

<b>Notes on Application / Limitations</b>	<p>The aerosol can temperature has to be +10°C min. and +30°C max. For optimum flow and expansion the aerosol can temperature should be approx +20°C.</p> <p>Protect the can from direct sun and temperatures above +50°C (danger of explosion).</p> <p>For the correct curing of the foam sufficient moisture is necessary.</p> <p>Do not use on PE, PP, Teflon, Silicone, Oil, Grease and other separating agents.</p> <p>Foam is not resistant to UV light.</p> <p>Read the safety and technical recommendations printed on the aerosol-can.</p>
<b>Value Base</b>	<p>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.</p>
<b>Local Restrictions</b>	<p>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.</p>
<b>Health and Safety Information</b>	<p>For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.</p>
<b>Legal Notes</b>	<p>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.</p>



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