

# PRODUCT DATA SHEET

## Sika Boom<sup>®</sup> P

### EXPANSIVE POLYURETHANE FIXING FOAM FOR FILLING AND INSULATING

#### DESCRIPTION

Sika Boom<sup>®</sup> P is a 1-component, fast curing polyurethane foam made for easy application with plastic nozzle

#### USES

Sika Boom<sup>®</sup> P is designed for fixing, insulating and filling connection joints around windows and door frames, pipe entries, air-conditioning vents and electrical equipment. Sika Boom<sup>®</sup> P allows insulation against noise, cold and draughts after one single application.

#### CHARACTERISTICS / ADVANTAGES

- 1-component
- Easy application with nozzle
- High expanding rate
- Fast curing
- Very good thermal insulation
- Effective sound dampening
- Mould-proof, water-proof, over paintable
- Cured foam dries rigid and can be trimmed, shaped and sanded
- HFC-free

#### PRODUCT INFORMATION

<b>Composition</b>	Polyurethane	
<b>Packaging</b>	750 ml can (850 gr) - 12 cans per box	
<b>Colour</b>	Light yellow	
<b>Shelf life</b>	12 months from date of production	
<b>Storage conditions</b>	Sika Boom <sup>®</sup> P shall be stored in in undamaged, original, sealed packaging, at upright position, in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C. Opened cans of Sika Boom <sup>®</sup> P must be used within 4 weeks.	
<b>Density</b>	22±3 Kg/m <sup>3</sup>	(ASTM D1622)

#### TECHNICAL INFORMATION

<b>Compressive Strength</b>	0,03 MPa	(DIN 53421)
<b>Tensile Strength</b>	11,7±0,8	(ISO 1926-79)
<b>Dimensional Stability</b>	±10%	(ISO 2796/86)
<b>Reaction to Fire</b>	B3	(DIN 4102-1)
<b>Water Absorption</b>	max. 1 vol%	(DIN 53428)

<b>Thermal Conductivity</b>	0,036 W/m.k At 20°C	(DIN 52612)
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<b>Service Temperature</b>	-40 °C to +80 °C
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## APPLICATION INFORMATION

<b>Yield</b>	30-45 L	(ASTM C1536)
<b>Product Temperature</b>	+5°C min. / +30°C max.	
<b>Ambient Air Temperature</b>	+5 °C min. / +30 °C max.	
<b>Substrate Temperature</b>	+5 °C min. / +30 °C max.	
<b>Curing Time</b>	24 hours	
<b>Cutting Time</b>	30-45 min	(ASTM C1620)
<b>Tack free time</b>	7±3 min 1cm cordon width	(ASTM C1620)

## APPLICATION INSTRUCTIONS

For the application of Sika Boom® P all generally accepted rules of building and construction apply.

### SUBSTRATE PREPARATION

The substrate must be clean, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed. Sika Boom® P adheres without primers and/or activators. Pre-dampen the substrate with clean water, this ensures that the foam cures properly and also prevents secondary foam expansion.

### APPLICATION METHOD / TOOLS

Shake the Sika Boom® P can well for minimum 20 seconds before use. Repeat shaking after long interruptions of use. Screw the nozzle firmly into place without pressing the trigger or the valve. The amount of expanding foam extruded can be regulated by applying more or less pressure on the trigger. Fill deep joints in several layers. Take care to allow each layer to cure and expand sufficiently by spraying water between each layer or allowing sufficient waiting time between the layers. Do not fill hollow sections completely as the foam expands during curing. All building elements must be temporarily fixed until the foam has fully cured.

### CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using Sika Boom® Cleaner / Sika® Remover-208. Hardened / cured material can only be mechanically removed.

## IMPORTANT CONSIDERATIONS

- The aerosol-can temperature has to be +5°C min. and +30°C max. For best workability the aerosol-can temperature must be +20°C.
- In order to get a good quality foam, the can temper-

ature should not vary more than 10 °C from the ambient temperature.

- The can should be kept in room temperature for at least 12 hours before the application.
- The cans should be stored and transported in vertical position.
- Protect the can from direct sunlight and temperatures above +50 °C (danger of explosion).
- For the proper curing of the foam sufficient moisture is necessary.
- Applying insufficient moisture may lead to subsequent unintended foam expansion (post expansion).
- Do not fill hollow sections completely as the foam expands during curing.
- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and silicone, oil, grease and other separating agents.
- Cured foam is not resistant to UV light exposure. Paint or coat the cured foam for best results in outdoor applications.
- Lower temperatures decrease yield and prolong curing time.
- Read all safety and technical recommendations which are printed on the Sika Boom® P can.

## 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.

**Sika Hellas ABEE**  
15 Protomagias Str.  
14568 Kryoneri  
Attica-Greece  
Tel.: +30 210 8160 600  
Fax: +30 210 8160 606  
www.sika.gr | sika@gr.sika.com



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