

PRODUCT DATA SHEET

Sika Boom[®]-193

General purpose polyurethane self-expanding nozzle applied foam

DESCRIPTION

Sika Boom[®]-193 is a polyurethane, 1-part, self-expanding foam made for easy application for general purposes.

USES

The Product is designed for:

- Insulating and filling cavities and voids
- Filling joints around window and door frames
- Insulating against noise, cold and draughts
- Filling around pipes or conduit penetrations

FEATURES

- Easy application with nozzle
- Effective sound dampening
- Good thermal insulation
- Good adhesion to many constructions materials
- 1-part, ready to use
- Can be cut, trimmed, sanded and painted

PRODUCT INFORMATION

Composition	Polyurethane foam
Packaging	750 ml canisters 12 canisters per box
Colour	Light yellow
Shelf life	15 months from the date of production, if stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.
Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C.
Density	31.2 kg/m ³ (Cured) (FEICA TM 1019)

TECHNICAL INFORMATION

Resistance to UV exposure	Not permanently UV stable		
Service temperature	-30 °C min to +80 °C max		
Post expansion	229 %	(FEICA OCF TM 1010)	

APPLICATION INFORMATION

Yield	Box Yield - 21.5 l (FEICA OCF TM 1003)		
Material temperature	Optimum	Minimum	Maximum
	+20 °C	+5 °C	+35 °C
Ambient air temperature	Optimum	Minimum	Maximum
	+20 °C	+5 °C	+35 °C
	min. 3 °C above dew point temperature		
Substrate temperature	Optimum	Minimum	Maximum
	+20 °C	+5 °C	+35 °C
Cutting time	45 min	(FEICA OCF TM 1005)	
Tack free time	7 min	(CQP096-14)	

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.

IMPORTANT CONSIDERATIONS

- Store Sika Boom®-193 in an upright position.
- Protect the canister from direct sunlight and temperatures above +50 °C (danger of exploding).
- Sika Boom®-193 does not bond onto polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and silicone, oil, grease or release agents.
- When used for bonding vertical / horizontal building components, they must be supported until the Product has developed sufficient strength.
- Do not use the Product for mechanical or structural fixing purposes.
- Small gaps can be filled using an extension tube, this will however reduce the foam flow rate..
- 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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

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®-193 adheres without primers or activators to most building materials such as wood, concrete, brick, metal or aluminum.
- Pre-dampen the substrate with clean water, this ensures that the foam cures properly and also prevents secondary foam expansion.
- For non-conventional substrates, a preliminary adhesion test is recommended.

APPLICATION

- Shake Sika Boom®-193 can well for minimum 20 seconds before use. Repeat shaking after long interruptions of use.
- Remove the cap from the canister. Screw the nozzle firmly onto the thread of the valve without pressing the trigger or the valve.
- To ensure proper flow, hold the canister upside down while dispensing. The amount of expanding foam extruded can be regulated by applying more or less pressure on the trigger.
- Fill deep joints in several layers. Allow each layer to expand and harden sufficiently before pre-dampening with water again for next layer application. Fill deep joints in several layers.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Sika Boom® Cleaner or Sika® Remover-208 immediately after use. Hardened material can only be mechanically removed.

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 exact product data and uses.

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 Gulf B.S.C. (c)

Tel: +973 177 38188
Email: info@bh.sika.com
Sika Kuwait Cons. Mat. & Paints Co WLL
Tel: +965 22 282 296
Email: sika.kuwait@kw.sika.com
Web: gcc.sika.com

Sika UAE LLC

Sika UAE LLC (Branch)
Sika International Chemicals LLC
Tel: +971 4 439 8200
Email: info@ae.sika.com
Web: gcc.sika.com

Sika Saudi Arabia Limited

Riyadh / Jeddah / Dammam / Rabigh
Tel: +966 9200 22167
Email: info@sa.sika.com
Web: gcc.sika.com

Sika MB LLC

Oman
Tel: +968 22 826 500
Email: info@om.sika.com
Web: gcc.sika.com



ISO 9001, 14001, 45001 – SGS:
- Sika UAE LLC
- Sika International Chemicals LLC
- Sika Gulf B.S.C. (c)
ISO 9001, 14001 – SGS:
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV:
- Sika UAE LLC (Branch)
ISO 9001 – SGS:
- Sika MB LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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