BUILDING TRUST

PRODUCT DATA SHEET

Sika Boom®-193

GENERAL PURPOSE POLYURETHANE SELF-EXPANDING FOAM

DESCRIPTION

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

USES

Sika Boom®-193 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

CHARACTERISTICS / ADVANTAGES

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

PRODUCT INFORMATION

Chemical base	Polyurethane foam
Packaging	12 canisters per box 750 ml Refer to the current price list for available packaging variations
Colour	Light yellow
Shelf life	18 months from the date of production
Storage conditions	Sika Boom®-193 must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C. Store in an upright position. Protect the canister from direct sunlight and temperatures above +50 °C (danger of exploding). Always refer to packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.
Density	Cured product 21.7 kg/m³ (FEICA TM 1019)

TECHNICAL INFORMATION

Resistance to UV Exposure	Not permanently UV stable
Service temperature	Minimum -30°C Maximum +80°C

Expansion	30 times (FEICA OCF TM 1010)

APPLICATION INFORMATION

Yield	Box Yield - 23 L (FEICA OCF TM 1003)
Product Temperature	Optimum +20°C Minimum +5°C Maximum +30°C
Ambient Air Temperature	Optimum +20°C Minimum +5°C Maximum +30°C
Relative Air Humidity	50%
Substrate Temperature	Optimum +20°C Minimum +5°C Maximum +30°C
Cutting Time	20 - 30 minutes (FEICA OCF TM 1005)
Tack free time	7 minutes (CQP-096-14)

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be clean, sound, firm, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed. The Product adheres without primers or activators to most building materials such as wood, concrete, brick, metal or aluminum. For non-conventional substrates a preliminary adhesion test is recommended.

APPLICATION

IMPORTANT
Sika Boom®-193 does not bond onto polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and silicone, oil, grease or release agents.
IMPORTANT
Do not use the Product for mechanical or structural fixing purposes.
IMPORTANT
When used for bonding vertical / horizontal building components, they must be supported until the Product has developed sufficient strength.
IMPORTANT
Moisture is necessary to cure the foam. Insufficient moisture may lead to subsequent unintended foam expansion (post-expansion).
IMPORTANT
Be careful when attaching or removing the nozzle. If pressure is applied to the valve, foam splashes may occur.

1. Pre-dampen the substrate with clean water. This ensures that the foam cures properly and also prevents unwanted foam expansion.
2. Shake the canister well for a minimum 20 times before use. Note Repeat shaking after long interruptions of use.
3. Remove the cap from the canister.
4. Screw the nozzle firmly onto the thread of the valve without pressing the trigger or the valve.
5. **IMPORTANT** To ensure proper flow, hold the canister upside down while dispensing. Dispense the foam by pressing the trigger. Note The amount of foam extruded can be regulated by applying more or less pressure on the trigger.
6. **IMPORTANT** Allow each layer to expand and harden sufficiently before pre-dampening with water again for next layer application. Fill deep joints in several layers. **Note** Fill voids / cavities only partially as the foam expands during curing. **Note** Small gaps can be filled using an extension tube, this will however reduce the foam flow rate.

CLEANING OF TOOLS

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

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 can always refer to the most recent version of the local Product Data Sheet for the relevant product, available on our website. The information in any downloaded version is valid as of the time of download.

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