

PRODUCT DATA SHEET

Sika Boom® Fire Guard B2

Polyurethane Fire Resistant Foam

PRODUCT DESCRIPTION

Sika Boom® Fire Guard B2 is a quick setting one part polyurethane foam with fire resistance properties. The foam expands on application 1.5 - 2 times its original volume after application and meets the requirements of DIN 4102-1 B2 for Construction Materials and EN1366-2.

Fire rated up to 2 hours in certain joint configurations. Once cured, the foam can be cut, sawn or plastered over after only one hour.

USES

Filling

- Gaps around window and door frames
- Deep joints prior to applying sealant or plaster
- Irregular gaps in stone, brick, concrete or plaster

Fixing

- Door frames
- Timber structures
- Windowsills and thresholds
- Window frames

Insulating

- Behind cladding to exterior walls
- Behind soffit and barge boards

When used as part of a fire-rated joint, use in conjunction with SikaSeal® Fire Guard for maximum fire rating.

CHARACTERISTICS / ADVANTAGES

- High degree of fire rating: slows down the passage of flames and smoke in comparison to standard B3 grades.
- Quick setting - can be cut, sawn or plastered in 1 hour.
- Economical in use - expands up to 50 times its can volume.
- Fills irregular and broad gaps where most conventional fillers would fail.
- Possesses insulating and sound deadening properties.

APPROVALS / STANDARDS

Fire rated up to 2 hours in certain joint configurations based on EN1366-4

Reaction to fire B2 under DIN 4102-1

PRODUCT INFORMATION

Packaging	750 mL aerosol hand held and gun grade
Colour	Pink
Shelf Life	12 months in original containers at stated storage temperatures.
Storage Conditions	Store upright between +20 °C and +25 °C Pressurized container. Protect from sunlight and do not expose to temperatures above +50 °C. Do not pierce or burn the can even after use. Store as flammable liquid.
Compressive Strength	4 N/cm ² (DIN 53421) at 10 % stress

Tensile Strength	7 N/cm ² (DIN 53430)
Elongation	25 % (DIN 53430) at tension
Shear Strength	5 N/cm ² (DIN 53430)
Reaction to Fire	B2 (DIN 4102-1)
Thermal Resistance	-40 °C to +80 °C
Ambient Air Temperature	+5 °C to +30 °C, optimum +20 °C
Curing Time	ca. 12 hours for 20 mm bead
Cutting Time	20 minutes to 1 hour, depending on bead dimensions.
Tack Free Time	ca. 8 minutes

VALUE BASE

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.

LIMITATIONS

- Carefully read instructions and text in warning box before use.
- Do not over pressurise container.
- Always apply above +5 °C.
- For fire rated application always cap with SikaSeal® Fire Guard or Sikacryl®-620 Fire.
- Clean spills immediately with Sika Boom® Foam Cleaner.

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

Ensure all surfaces are clean, sound and free from dust and loose particles. Moisten surfaces to be sealed with water. This assists the curing process.

APPLICATION

ALWAYS WEAR PROTECTIVE GLOVES. Shake can well before use (about 20 times). ALWAYS USE CAN UPSIDE DOWN. Only partially fill cavities as the foam will expand to fill remaining space. Any excess foam can be removed whilst still wet with Sika Boom® Foam Cleaner. Cured foam must be removed mechanically.

Gun Grade

Remove cap and screw gun carefully onto the black adapter of the can. Take care not to over tighten. The gun can be left attached to the can in between jobs. When the gun is removed for storage, ALWAYS thoroughly purge with Sika Boom® Foam Cleaner.

Hand Held

Carefully fix nozzle. Do not overtighten or force. Always remove nozzle from can and clean immediately after use with Sika Boom® Foam Cleaner. When used for fixing door frames, supports must be used until the foam is fully cured. All information on the Technical Data Sheets for this product must be observed. STORE CANS IN UPRIGHT POSITION.

CLEANING OF TOOLS

Wet: Sika Boom® Foam Cleaner.
Cured: Mechanically.

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.

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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