



Sika Boom[®]-N⁺

Fire Rated Expanding Foam

Technical Data Sheet

DESCRIPTION

Sika Boom[®]-N⁺ is a one component fire rated, polyurethane based aerosol fixing and insulating foam.

USES

- * Bulk filling of voids
- * To insulate cavities against draughts, noise, heat and cold
- * To fill wall openings, shutter casings etc.
- * Bonding and sealing around windows and doors.
- * Bonding of panel boards as temporary support prior to permanent elastic fixing.
- * Infilling of gaps and joints between insulated roof decking and wall cladding systems.

ADVANTAGES

- * High bond strength to various substrates - wood, masonry, concrete, plaster, render, stone, polystyrene, metals and plastics.
- * High Yield.
- * Rapid hardening.
- * No propellants harmful to the ozone layer.
- * One component.
- * Good insulation properties - expands upto 50 times its volume.
- * Can be trimmed by sharp knife.
- * Can be sanded to shape.

Technical Data (typical)

Colour:	Light Yellow
Hardened Density (kg/m³):	18 ± 3
Application temperature:	+5°C to +35°C
Optimum application temperature:	+18°C to +25°C
Service temperature:	-30°C to +80°C
Foam yield:	750 ml - 44L ± 3L
Dimensional stability:	±10%
Flammability class:	B2 (non flammable)
Tack free time (mins):	12±2
Trimming time (mins):	25±5
Approvals:	Conforms to BS476 pt 20 and DIN 4102 Class 2

All the above values are based on a temperature of 23°C and 50% RH and are approximate.

SURFACE PREPARATION

Dry and free from grease and dust. Pre-moisten the substrate with water (do not soak).

APPLICATION

- * Screw nozzle onto the can.
- * Take care note to activate the valve.
- * Shake the can vigorously (about 25 shakes).
- * With the nozzle upside down, regulate the foam discharge with the trigger.
- * Fill deep cavities in layers, making sure that the surface of the previous layer is no longer tacky.
- * Spray the foam surface with water to prevent further expansion. If applying in layers, spray each layer individually.
- * Fix components as appropriate until the foam has hardened.

IMPORTANT CONSIDERATIONS

- * **Sika Boom®-N+** will not bond to silicone, teflon, grease or polythene surfaces.
- * Use opened cans within 4 weeks.
- * Foam yield will be lower after opening.
- * Loose components may need to be clamped or secured in position until the foam sets.
- * Yield and rate of hardening will vary according to humidity and temperature

CLEANING

Remove fresh foam stains immediately with **Sika Thinner C**. Hardened foam can only be removed mechanically.

PACKAGING

Disposable 750 ml cans in boxes of 12.

CONSUMPTION

40 litres \pm 3 litres.

STORAGE AND SHELF LIFE

Minimum 12 months in sealed cans from date of production if stored in cool, dry conditions.



Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

SIKA LIMITED

Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ

Tel: 01707 394444 Email: sika@uk.sika.com

Fax: 01707 329129 www.sika.com

