



PRODUCT DATA SHEET

Sika Boom®-121 Pro Insulation

20 BOARD FEET, ONE COMPONENT, GUN-APPLIED POLYURETHANE INSULATION FOAM

PRODUCT DESCRIPTION

Sika Boom®-121 Pro Insulation is a one-component, polyurethane spray foam that provides thermal and sound insulation.

WHERE TO USE

- Rim joist sealer.
- Roofs, attics, basements, interior walls, interfloor overlapping.
- Air sealing and insulating.
- Elimination of thermal bridges.

CHARACTERISTICS / ADVANTAGES

- 20 board feet coverage
- R value of 5,66 (per inch).
- Excellent thermal insulation value (0.025 W/(m.K).
- Excellent adhesion to many building materials.
- May be applied at temperatures between +5 °C and 30 °C.
- Yield up to 3 m² with 1.5 cm thickness for one layer if applied from a distance of ~40 cm with normal application speed.
- Paintable.
- Does not contain any propellant gase

TECHNICAL INFORMATION

Compressive Strength	0,03 MPa	DIN 53421
Resistance to Fire	B3 class of cured foam	DIN 4102-1
Resistance to UV Exposure	<ul style="list-style-type: none"> ▪ Cured foam will discolor if exposed to ultraviolet light. ▪ Paint or coat the cured foam for best results in outdoor applications 	
Thermal Conductivity	0,025 W/m.K (at 20°C)	DIN 52612
Service Temperature	-40 to 80 °C	

PRODUCT INFORMATION

Packaging	Net weight: 807 mL (775 g) can / 12 cans per case
Shelf Life	18 months from the date of production, if it is stored properly in undamaged, original, sealed packaging and if storage conditions are met.
Storage Conditions	Product must be stored in an upright position, in dry conditions, protected from direct sunlight and at temperatures between 5 °C and 25 °C.
Colour	Light yellow

Density	15±1 kg/m ³	ASTM D1622
Consumption	Yield up to 3 m ² with 1.5 cm thickness for one layer if applied from a distance of ~40 cm with normal application speed. 20 board feet	
Yield	3 m ² for 1.5 cm thickness	
Layer Thickness	<ul style="list-style-type: none"> ▪ Can be applied at any desired thickness as long as it is applied layer by layer. The thicker, the higher insulation value. ▪ For an effective insulation value, the recommended application thickness is 5 cm (R 5,66) and should be reached to this thickness with minimum 3 layers. It is not possible to get the ideal insulation value with 1 or 2 layers. 	
Dew Point	Elimination of the dew point.	
Curing Time	Full cure: 24 hours Tack-Free time: 4 min	ASTM C1620

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

WHERE TO USE

- Wear suitable protective clothing and gloves.
- Contains Diphenylmethane-4, 4'-Diisocyanate.
- Harmful by inhalation, irritating to eyes, respiratory system and skin.
- Do not breathe spray/vapor.
- Use only in well-ventilated areas.
- Storage above 25 °C and below 5 °C shortens shelf life.
- Should be stored and transported in vertical position. Should be kept in room temperature for at least 12 hours before the application.
- Lower temperatures decrease yield and curing time.
- Keep away from sources of ignition.

ENVIRONMENT, HEALTH & 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®-121 Pro Insulation adheres without primers and/or activators.

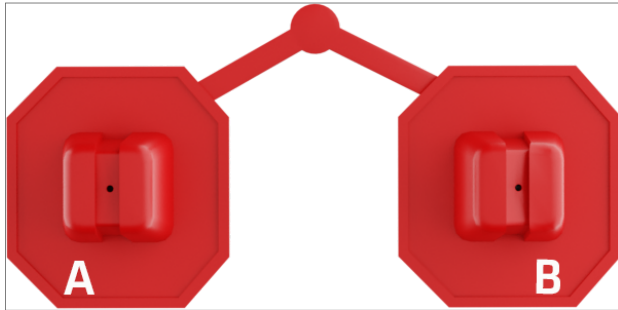
MIXING

Shake Sika Boom®-121 Pro Insulation can well for about 60 seconds before use.

APPLICATION METHOD / TOOLS

Each can has two special plastic nozzles (red tips) for spraying on the wall and on the ceiling (See Picture).

Install the nozzles on the Sika Boom® PRO Dispenser gun before screwing the can to the gun.



- Nozzle A is for vertical surface applications
 - Nozzle B is for ceiling applications.
1. Push the desired nozzle on the Sika Boom® PRO Dispenser gun (we suggest putting the nozzle on the ground and lightly pushing the Sika Boom® PRO Dispenser gun on the nozzle until it 'clicks' on).
 2. Remove the tab from the top of the Sika Boom®-121 Pro Insulation. Turn Sika Boom®-121 Pro Insulation can upside down and screw onto the valve of the Sika Boom® PRO Dispenser gun then gently press the trigger to purge any air from the gun before applying.
 3. The can must remain upside down at all times while dispensing.
 4. The consumption can be regulated by applying more or less pressure on the trigger or by tightening or loosening the screw on the Sika Boom® PRO Dispenser gun.
 5. Spray the foam 30-45 cm distance from the wall or ceiling for applications. Vertical gaps should be filled with foam starting at the bottom and moving up. Do not fill the entire gap – the foam will increase in volume.

Unfinished cans of Sika Boom®-121 Pro Insulation should be left on the gun so that they may be reused at a later time and should typically be used up within two (2) weeks.

CLEAN UP

Clean all tools and application equipment immediately with Sika Boom® Cleaner. Uncured material may be removed from substrates and tools with Sika Cleaning Wipes-120. Once cured, residual material can only be removed mechanically. Refer to Sika Boom® Cleaner product data sheet for further information

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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