

PRODUCT DATA SHEET

EVERBUILD THERMOFOAM®

LONG TERM THERMAL INSULATION SYSTEM

PRODUCT DESCRIPTION

EVERBUILD THERMOFOAM® is a specially formulated, highly flexible PU foam that absorbs component movement thereby giving an airtight seal to reduce heat loss and improve energy efficiency in buildings. The powerful bond strength and flexibility of EVERBUILD THERMOFOAM® gives excellent long term thermal and acoustic insulation by inhibiting cracks from occurring during the contraction of building materials, such as window frame to wall bonds, giving a hermetically sealed barrier.

USES

- Window installation (clean, controlled back-filling and insulated sealing of window and external roller blind cavities)
- Gap filling of external door frames (must be used in conjunction with mechanical fixings)
- Filling cavities in wall break-through for all types of utilities and services.

CHARACTERISTICS / ADVANTAGES

- Adheres to all common building materials including concrete, brickwork, wood, plaster, plastic, stone, metal etc.
- Acoustic insulation up to 64 dB (EN ISO 717-1)
- Certified air permeability: $\alpha < 0,1 \text{ m}^3$ to EN 12114:2000
- Temperature Resistant -40°C to $+80^\circ\text{C}$ (short term exposure to $+100^\circ\text{C}$)

Expansion	Up to 41 litres (output under free release of a 750ml canister)
Cell Structure	Fine

APPROVALS / STANDARDS

Fire Rated to ISO13501 (Class E)

PRODUCT INFORMATION

Packaging	750ml pressurized container
Colour	Beige
Shelf Life	12 months in original containers at stated storage temperatures.
Storage Conditions	Store upright between 10°C and 20°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. Note: Elevated temperatures will reduce shelf life dramatically. Protect from heat and frost.
Compressive Strength	Approx. 1kg/m^2
Elongation at Break	23-28%
Water Absorption	0.3% Vol-%

Sound Insulation	Max. 64dB	
Ambient Air Temperature	+10°C to +30°C (optimum 20°C).	
Substrate Temperature	Long Term	-40°C to +80°C
	Short Term	-40°C to +100°C
Curing Time	Approx. 24 hours (20mm bead)	
Cutting Time	10-13 mins (20mm bead, moist application)	
Tack Free Time	Approx. 7-10mins	

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 METHOD / TOOLS

- Carefully read instructions before use.
- Ensure all surfaces are clean, sound and free from dust and loose particles. Remove loose particles and moisten surfaces with water immediately prior to application. All components should be prepared ready for bonding.
- Moisten surfaces to be sealed with water - this assists the curing process. Shake can well before use and before attaching to the gun. Remove black cap and screw gun carefully onto the black adapter of the can. Take care not to over-tighten.
- ALWAYS USE WITH CAN UPSIDE DOWN.
- The trigger should be depressed gently to control the foam release. Moisten released foam evenly. In large cavities moistening layer-by-layer is recommended. Inadequate wetting, and overfilling cavities, can cause undesirable subsequent foam expansion. Foam expands by around 30%.
- Once cured, foam can be removed with a knife or scraper. The gun can be left attached to the can between jobs. When the gun is removed for storage, ALWAYS thoroughly purge with Everbuild® Foam Cleaner. All information on the Technical Data Sheets for the application of gun foam and applicator guns must be observed.

Please note:

When transported in cars, keep in boot, out of direct sunlight.

When removing cured foam from skin, take care not to damage with abrasives.

Grease skin with body lotion or similar.

IMPORTANT – Re-use is only possible by cleaning the nozzle and valve tip with EVERBUILD® DUAL PURPOSE FOAM CLEANER before the foam has cured. Do not push any object into the valve as the contents may explode.

LIMITATIONS

- For Professional use only.

- Do not over-pressurize container.
- Always apply above 5°C.
- Clean spills immediately with EVERBUILD® DUAL PURPOSE FOAM CLEANER
- Always clean the gun thoroughly with EVERBUILD® DUAL PURPOSE FOAM CLEANER until the jet is clear of foam. Leave the canister attached until the gun is to be used again
- It is the user's responsibility to determine suitability for use. If in doubt contact Everbuild Technical Services for advice.

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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 the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

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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