PRODUCT DATA

FM 1696
BS EN ISO 9001:2008

Date: 11 July 2011 **Information Sheet No.: TDS00448**

EVO-STIK FOAM FILLER

A MOISTURE CURING POLYURETHANE

Evo-Stik Foam Filler is a fast curing assembly and filler foam. Evo-Stik Foam Filler is based on a one-part polyurethane pre-polymer, which cures on contact with humidity and uses an environmentally safe propellant. Before using Evo-Stik Foam Filler refer to the relevant Health & Safety Sheet.

Features

- Exterior or interior use
- Fills large or small gaps
- Seals, fills, bonds, insulates
- Cured foam can be cut, sanded, plastered or painted

Uses

- Evo-Stik Foam Filler is ideal for doorframe setting and filling of gaps between brickwork and window frames.
- Sealing draughty gaps around pipes which pass through walls, cracks in walls as well as filling gaps in roofing eaves, roof panel joints etc, where a tight draught seal is required.
- Evo-Stik Foam Filler adheres to the majority of common construction materials. Will not bond to polythene, polypropylene and may damage polystyrene and other sensitive surfaces.

Product Characteristics

Colour	Buff, yellows in sunlight
Physical form	Liquid aerosol
Specific Gravity	Cured foam is approximately 18g/litre, when allowed to foam freely.
Composition	Moisture curing polyurethane pre-polymer in solution.
Product Code	**115446** 300ml **132603** 500ml **132610** 750ml
Shelf life	12 months from the date of manufacture when stored in dry conditions between 5^{O}C and 25^{O}C.
Storage	Ensure that the product is stored **upright** in a place were it cannot be knocked over, accidentally damaged or within the reach of children or animals.
Cured foam	Once cured, the foam is medium hard, predominantly closed cell and heat and cold resistant.
Application temps	+10^{o}C to +25^{o}C, optimum 20^{o}C.
Service temps	-40 to +80^{o}C, for short periods up to +100^{o}C
Tack Free	8-10 minutes for a 20mm bead.
Cut-able	20 minutes for a 20mm bead.
Load bearing	12 hours for a 20mm bead.
Coverage	300ml 11 – 13 litres 500ml 22.5 – 24.5 litres 750ml 36 – 39 litres

- All the above figures are approximate.
- The coverage yields are the maximum expected if the product is allowed to freely expand.
- These yields do not include wastage, which can be considerable, depending upon the manner used.

Typical Performance Data (approx.)

Tensile Strength	18N/cm^2 (DIN 53430)
Compressive	5N/cm^2 at 20% stress (DIN 53421).
Thermal Conductivity	0.04 W/MK
Fire Rating	B3, DIN 4102.

Directions for use

IMPORTANT

Before using Evo-Stik Foam Filler refer to the relevant Health & Safety Sheet. Available at www.bostik.co.uk named as the code above.

Surface Preparation

1. The surfaces must be clean, free of loose particles and free of dust and grease.
2. Just prior to foam application mist the surface well with a water mist sprayer to ensure even curing of the foam.
3. Expansion is further helped by moistening each layer of foam applied.
4. Always wear gloves and suitable clothing as cured foam is extremely difficult to remove.
5. Protect sensitive nearby surfaces from stray foam by covering them. Remove all sources of ignition and isolate switches that might cause sparks.

Application

1. Shake the can well before use.
2. Carefully screw the adapter and extension tube firmly on to the valve. Do not over tighten taking care not to operate the valve accidentally by exerting too much downward or sideways pressure.
3. Always work in very well ventilated places.
4. Check there are no sources of ignition present.
5. Foam flow can be regulated by applying different pressure or by tilting the adapter with the valve pointing downward.
6. The fresh foam will expand by approximately 150%, during the curing process of reaction with moisture.
7. Apply foam in layers leaving a little space for some of the expansion during curing. Damp each layer with a water mist sprayer to assist rapid curing.
8. Foam spillages must be removed whilst fresh with Gun Foam Cleaner, acetone or nail varnish remover. First cleaning may leave minute residues so repeat the process, even if not visible! Cured foam can only be removed mechanically.
9. When cured the foam may be cut to give a neat finish. The cured foam is not resistant to sunlight and should be painted or covered for protection.

Cleaning

1. Foam spillages must be removed whilst fresh with Gun Foam Cleaner, acetone or nail varnish remover. First cleaning may leave minute residues so repeat the process.
2. Cured foam can only be removed mechanically.

Precautions in Use

Always store foam cans upright and in a position where they cannot fall and are, yet, out of reach of children and animals.

Do not expose containers to temperatures exceeding 50^{o}c

If transporting store upright in secure place in the boot of a car not in the passenger compartment.

Never force the valve as damage can lead to foam leaking unexpectedly. The valves are not ‘straight-through’ so they cannot be unblocked.

The product is so reactive with moisture that a can re-sealed after opening, cannot be guaranteed usable later.

Try to use the foam at 20^{O}C. Below this the flow rate will be slower and the yield much lower and the foam lower quality. At higher temperatures the flow rate will be much faster and the yield higher.

Never try to warm very cold cans quickly. Always place them in a room at about 20^{O}C for a few hours.

Be careful when using the product in windy conditions, as the foam is so light it can be blown onto sensitive surfaces where it will be very difficult to remove completely.

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Sales & Technical contacts at Bostik	Telephone	Facsimile	Email addresses
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