

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.

APPLICATIONS

- ◆ 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.

SURFACE PREPARATION

- ◆ The surfaces must be clean, free of loose particles and free of dust and grease.
- ◆ **Just prior to foam application mist the surface well with a water mist sprayer** to ensure even curing of the foam.
- ◆ Expansion is further helped by moistening each layer of foam applied.
- ◆ Always wear gloves and suitable clothing as cured foam is **extremely difficult** to remove. Protect sensitive nearby surfaces from stray foam by covering them.

APPLICATION INSTRUCTIONS

- ◆ Shake the can well before use.
- ◆ 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.
- ◆ Always work in very well ventilated places.
- ◆ Check there are no sources of ignition present.
- ◆ Foam flow can be regulated by applying different pressure or by tilting the adapter with the valve pointing downward.

- ◆ The fresh foam will expand by approximately 150%, during the curing process of reaction with moisture.
- ◆ 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.
- ◆ 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.**
- ◆ 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

- ◆ 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.
- ◆ **Cured foam can only be removed mechanically.**

PLEASE NOTE

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

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- ◆ Try to use the foam at 20°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°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.

SHELF LIFE: 12 months from the date of manufacture when stored as described below.

STORAGE: Store in dry conditions between 5°C and 25°C. Always ensure that the product is stored **upright** in a place where it cannot be knocked over, accidentally damaged or within the reach of children or animals.

PACKAGING

Code: 115446	300ml x12
132603	500ml x12
132610	750ml x12

HEALTH AND SAFETY: Available separately in file named as the packaging code above.

TYPICAL CHARACTERISTICS

Form: A single component, moisture curing, Polyurethane Foam.
Application Temp Range: +10°C to +25°C, optimum 20°C
Yield (Free Expanded): 1 Litre expands up to a maximum 50 Litres.
Tack Free: Approximately 8-10 minutes. (20mm bead)
Cut-able: 20 minutes for a 20mm bead, approximately.
Load bearing: Approximately 12 hours for a 20mm bead.
Cured foam: Once cured, the foam is medium hard, predominantly closed cell and heat and cold resistant.
Cell Structure: Medium Fine
Density (of cured foam): Approximately 18 grams per litre, when foamed freely.
Colour: Pale beige. (Foam yellows and darkens when exposed to sunlight for long periods).
Service Temp Range: -40 to +80°C, for short periods up to +100°C
Tensile Strength: 18N/cm² - (DIN 53430)
Compressive Strength: 5N/cm² - (DIN 53421) – at 20% stress.
Thermal Conductivity: 0.04 W/MK
Fire Rating: B3, DIN 4102.

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