



Technical Sheet

All Seasons 65 Low Expanding Gun Foam 1000/860

One –component polyurethane foam hardening due to air humidity. The foam is manufactured in compliance with requirements of ISO 9001:2008 standard.

Fix 46 supplier all seasons 65 low expanding Insulating Gun Foam is tested according to FEICA methods, designed to deliver transparent and reproducible test results, ensuring customers have an accurate representation of product performance

APPLICATIONS:

- ⇒ SEALING FOR WINDOW FITTING
- ⇒ ACOUSTIC INSULATION
- ⇒ SEALING FOR DOOR FITTING
- ⇒ FILLING FREE SPACES, CRACKS, GAPS, PIPE PENETRATIONS
- ⇒ SEALING ROOF, WALL AND FLOOR JOINTS
- ⇒ THERMAL INSULATION



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BENEFITS

All Seasons 65 Low Expanding Gun Foam is easy to transport, process and assemble.

This polyurethane foam is resistant to fungi and mould, it is also not liked by insects and rodents. "Does not age", i.e. despite the passage of time it does not change its mechanical and insulation parameters.

All Seasons 65 Low Expanding Gun Foam expand to a smaller extent. By using it you avoid spreading too much of the elements between which you apply foam. The foam recommended for precise sealing, especially when installing large-format windows. Better thermal insulation properties than ordinary foams, so it is worth using Fis46 supplier pu foam to seal and supplement insulation layers made of foamed polystyrene, PIR boards and XPS polystyrene. It can be used in the temperature range from -20°C - $+30^{\circ}\text{C}$.

All Seasons 65 Low Expanding Gun Foam is very efficient and flexible.

APPLICATION CONDITIONS

Can/ applicator temperature [$^{\circ}\text{C}$]	0 - $+30$	+5 - $+30$
Ambient/ surface temperature [$^{\circ}\text{C}$]	-10 - $+30$	-20— $+30$

DIRECTIONS FOR USE

Prior to application, read safety instruction presented at the end of TDS and in MSDS.

1. SURFACE PREPARATION

The foam presents ideal adhesion to typical construction materials, such as: brick, concrete, plaster work, wood, metals, styrofoam, hard PVC and rigid PUR.

Working surface should be cleaned and degreased.

Secure surfaces exposed to accidental foam contamination.

2. PRODUCT PREPARATION

Too cold can should be brought to room temperature, e.g. by immersion in warm water with temperature up to $+30^{\circ}\text{C}$ or leaving it in room temperature for at least 24 h.

Applicator temperature cannot be lower than can temperature.

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3. APPLICATION

Put on protective gloves.

Vigorously shake the can (10-20 seconds, the valve facing down) to thoroughly mix the components.

Screw the can onto the applicator.

Working position of the can is "valve facing down".

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.

In case of sealing the open woodwork, gaps > 3 cm are not recommended. Gaps > 5 cm are unacceptable.

Slots wider than 3 cm from the bottom to fill up from one wall to the other alternately forming a zigzag pattern.

Should application be interrupted for more than 5 minutes, the applicator nozzle with fresh foam should be cleaned with Fix46 polyurethane foam cleaner and the can should be shaken prior to application.

4. WORKS AFTER COMPLETION OF APPLICATION

Immediately after full foam hardening, it should be secured against exposure to UV rays by using e.g. plaster or paints, acrylic, silicon.

After completion of work, the applicator should be thoroughly cleaned. To this end, a can with the cleaner should be screwed on the applicator and its trigger should be pushed until the moment, when clean fluid starts flowing out.

5. REMARKS / RESTRICTIONS

DOOR AND WINDOWS FITTING WITHOUT USING MECHANICAL COUPLING IS FORBIDDEN. LACK OF MECHANICAL COUPLINGS MAY CAUSE DEFORMATION OF THE MOUNTED ELEMENT.

The curing process is dependent on temperature and humidity. The decrease in ambient temperature within 24 h after the application below the minimum application temperature can affect the quality and / or correctness of the seal.

Hurried attempts at preliminary treatment may cause irreversible changes in foam structure and its stability and may affect deterioration of foam utility parameters.

Open foam package should be used within 1 week.. With the decrease of temperature decreases performance and increases the curing foam. The foam displays lack of adhesion to polyethylene, polypropylene, polyamide, silicone and Teflon. Fresh foam should be removed with Fix46 Supplier polyurethane foam cleaner.

Hardened foam may only be removed mechanically (e.g. with a knife).

Quality and technical condition of used applicator affect the parameters of final product.

The foam should not be used in spaces without access of fresh air and poorly ventilated or in places exposed to direct sunlight.

TECHNICAL DATA

Colour	
Yellow	+

Parameter (+23°C/50% RH) ¹⁾	Value
Capacity (free foaming) [l] (RB024)	55-65
Capacity in gap [l] (RB024) ²⁾	36-43
Secondary increase in volume (post-expansion) [%] (TM 1010-2012**)	80 - 110
Tack-free time [min] (TM 1014-2013**)	≤ 10
Cutting time [min] (TM 1005-2013**) ³⁾	≤ 30
Full cure time [h] (RB024)	24
Heat conductivity coefficient (λ) [W/m*K] (RB024)	0,036
Dimensional stability [%] (TM 1004-2013**)	≤ 5
Flammability class (DIN 4102)	B3
Flammability class (EN 13501-1:2008)	F

- 1) All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on foam hardening conditions (ca, ambient, surface temperature, quality of used equipment and skills of person applying the foam).
- 2) The value given for a gap with dimensions 35*1000*35(width *length *depth [mm]).
- 3) The manufacturer recommends to commence finishing works after full hardening is completed, i.e. after 24 h. The result given for a foam strip of 3 cm diameter.

**Producer uses test methods approved by FEICA designed to deliver transparent and reproducible test results, ensuring customers have an accurate representation of product performance. FEICA OCF test methods are available at: <http://www.feica.com/our-industry/pu-foam-technology-ocf>. FEICA is a multinational association representing the European adhesive and sealant industry, including one-component foam manufacturers. Further information at: www.feica.eu

TRANSPORT / STORAGE

The foam maintains its usability within 12 months from manufacturing date, provided that it is stored in original packaging in vertical position (valve facing up) in a dry place in temperature +5°C do +30°C. Storage in temperature exceeding +30°C shortens the shelf life of the product, adversely affecting its parameters. The product may be stored in temperature -5°C, no longer however than for 7 days (excluding transport). Storage of foam cans in temperature exceeding +50°C or in vicinity of open flame is not allowed. Storage of the product in a position other than recommended may result in jamming the valve. The can cannot be squeezed or pierced even when it is empty. Do not store the foam in the passenger compartment. Transported only in the trunk.

Detailed transport information is included in the Material Safety Data Sheet (MSDS).

Transport temperature	Foam transport period [days]
< -20°C	4
-19°C ÷ -10°C	7
-9°C ÷ 0°C	10

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Further Information:

In the event of further queries or problems concerning the use of this product, please e- mail: info@fix46.com or contact the address below.



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