FIX46 FIX46 65L Low Expanding GUN PU Foam All Season 840 ml

The one-component polyurethane foam cures under the influence of humidity contained in the air and is characterized by a homogeneous, fine-cellular structure. The foam is a closed-cell product, produced in a plant with the Quality Management System ISO 9001:2015 implemented.

BENEFITS

- high yield
- uniform structure
- very good thermal insulation
- high acoustic insulation
- wide range of application temperatures

RECOMMENDED USES

- sealing for window fitting
- sealing for door fitting
- filling free spaces, cracks, gaps, pipe penetrations
- sealing roof, wall and floor joints
- thermal insulation
- acoustic insulation

TECHNICAL DATA

Parameter (+23°C/50% RH)	Value
Capacity (free foaming) (RB024) [l]	55 - 65
Skin formation time (EN 17333-3:2020) [min]	≤ 10
Full cure time (RB024) [h]	24
Secondary increase in volume (post-expansion) (EN 17333-2:2020) [%]	80 - 110
Dimensional stability (EN 17333-2:2020) [%]	≤ 5
Flammability class (DIN 4102)	B3
Class of reaction to fire (EN 13501-1:2008)	F
Heat conductivity coefficient (RB024) [W/mK]	0,036
Acoustic insulation (EN ISO 10140-1:2010+A1:2012+A2:2014)	62
Thermal resistance (after curing) [°C]	-40 - +90
Conditions of application	**Value**
Can / applicator temperature (optimal +20°C) [°C]	0 - +30
Ambient/surface temperature [°C]	-20 - +30
Pre-treatment time (for a foam tube with dimensions: 6 cm wide and 3 cm high and a can temperature of +23°C)	**Value**
Cutting time, ambient temperature -10°C, dry (EN 17333-3:2020) [h]	20
Cutting time, ambient temperature -20°C, dry (EN 17333-3:2020) [h]	48
Cutting time, ambient temperature 0°C, wet (EN 17333-3:2020) [h]	16
Cutting time, ambient temperature +23°C, wet (EN 17333-3:2020) [h]	0,5
Colour	**Value**
Yellow	+

METHOD OF USE

Prior to application, read safety instruction presented in MSDS.

Surface preparation

- Secure surfaces exposed to accidental foam contamination.
- The working surface should be cleaned and degreased.
- If the ambient temperature is above 0°C, moisten the working substrate with water mist.

Product preparation

- The can should have a temperature of +5°C to +30°C.
- Before use, shake the can vigorously about 20-30 times to thoroughly mix the ingredients.
- Screw the gun to the foam can.
- The temperature of the gun must not be lower than the temperature of the can.

Application

- Put on protective gloves.
- 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.
- When sealing doors and windows, keep a minimum distance of 10 mm and a maximum of 30 mm between the opening framing and the door or window frame. Gaps > 30 mm are not recommended. Fill in gaps wider than 30 mm working bottom to top moving from one clearance wall to another alternately, creating a zigzag pattern. Gaps > 50 mm are not permitted.
- After finishing the application, re-wet the foam with water mist if the ambient temperature is above 0°C.
- After curing, remove excess foam mechanically (e.g., with a knife).
- Immediately after the foam is fully cured, protect it from UV rays using, for example: acrylic, silicone, plaster, paint.
- If work is interrupted for more than 5 minutes, the nozzle of the gun with fresh foam should be cleaned with a polyurethane foam cleaner and the can should be shaken before reapplication; if the can is unscrewed from the gun, the valve and gun adaptor should also be cleaned.

Works after completion of application

- Fresh foam should be removed with polyurethane foam cleaner.
- After curing, the foam can be removed mechanically, or it can be removed with a cured foam cleaner - test in an invisible area before cleaning.
- After finishing work, the gun should be thoroughly cleaned - for this purpose, a can of polyurethane foam cleaner should be screwed onto the gun and press its trigger until clear fluid flows out of it.
- If the foam is not used up completely at the end of work, clean the can valve as well.

Remarks / restriction

- DOOR AND WINDOWS FITTING WITHOUT USING MECHANICAL COUPLING IS FORBIDDEN. LACK OF MECHANICAL COUPLINGS MAY CAUSE DEFORMATION OF THE MOUNTED ELEMENT.
- The foam displays lack of adhesion to polyethylene, polypropylene, polyamide, silicone and Teflon.
- Open foam package should be used within 1 week.
- At temperatures below +20°C, it is recommended to leave the applied foam until fully cured (≥ 24 h) - cutting or processing the foam too quickly may cause irreversible changes in the foam structure and deterioration of its performance.
- Foam performance largely depends on ambient temperature, humidity, can temperature and application method.
- Do not use water to wet working surfaces and foam at temperatures below 0°C.
- 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.

ADDITIONAL INFORMATION

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). For joints wider than 3 cm, the parameter values may differ from those declared in the technical data table.
The manufacturer recommends to commence finishing works after full hardening is completed, i.e. after 24 h.
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 (OCF) -> OCF Test Methods). FEICA is a multinational association representing the European adhesive and sealant industry, including one-component foam manufacturers.

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

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+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.
For detailed transport information, please refer to the Safety Data Sheet.

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

SAFETY AND HEALTH PRECAUTIONS

For detailed information, please see the product data sheet.
The information contained herein is offered in good faith based on Producer's research and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information shall not be used in substitution for customer's tests to ensure that Producer's products are fully satisfactory for your specific applications. Producer's sole warranty is that the product will meet its current sales specifications. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Producer specifically disclaims any other expressed or implied warranty of fitness for a particular purpose or merchantability. Producer disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.

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