TYTAN PROFESSIONAL Interior Door GUN PU Foam 750 ml

INTERIOR DOOR is a foam for mounting interior doors made of wooden and wood-based materials (MDF, chipboard) without the use of mechanical connectors (for door frames in mechanical strength class 1 and 2 according to EN 1192 and class N according to RAL RG 426, IFT report No. 22-001762-PR-01). This foam is characterised by low, controllable post-expansion which ensures mounting without deformations of doorframes. Short curing time up to three hours (in contact with water). High yield - up to 65 l foam output. Durability and strength of the foam is confirmed by tests at IFT and ITB. The foam recipe is partly based on raw materials from 100% renewable sources, which helps reduce the carbon footprint.

BENEFITS

- high foam yield
- decreased foam pressure
- decreased foam volume increase (postexpansion)
- standard foam adhesion to surface

RECOMMENDED USES

- installation without mechanical fasteners of single-leaf interior doors (with leaf weight ≤ 40 kg) in the 1st and 2nd class of mechanical strength according to PN-EN 1192:2001, on frames made of wood or wood-based materials in accordance with Installation Manual No. 2 SELENA
- installation of doors in class 3 and 4 of mechanical strength according to PN-EN 1192:2001 with the use of mechanical fasteners
- filling of free spaces and gaps
- thermal insulation
- acoustic insulation

NORMS / ATESTS / CERTIFICATES

The product meets requirements of:

- ITB KOT 2023/2580 issue. I
- EMICODE: EC1 PLUS

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TECHNICAL DATA

Parameter (+23°C/50% RH)	Value
Capacity (free foaming) (RB024) [l]	52 - 65
Skin formation time (EN 17333-3:2020) [min]	≤10
Curing time of foam in wet condition in a gap of dimensions 3x10x50cm at 23C and RH 50% [h]	3
Full cure time (RB024) [h]	24
Secondary increase in volume (post-expansion) (EN 17333-2:2020) [%]	40 - 90
Dimensional stability (EN 17333-2:2020) [%]	+/- 5
Flammability class (DIN 4102)	B2
Conditions of application	**Value**
Can / applicator temperature (optimal +20°C) [°C]	15 - 30
Ambient / surface temperature [°C]	5 - 30
Colour	**Value**
Yellow	+

METHOD OF USE

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

Surface preparation

- The foam exhibits adhesion to typical building materials such as brick, concrete, plaster, wood, MDF, metals, polystyrene foam, hard PVC and rigid PUR foams.
- The working surface should be cleaned and degreased.
- Wet the working surfaces with a mist of water (using, for example, a horticultural sprayer).
- Secure surfaces exposed to accidental foam contamination.

Product preparation

- Too cold can should be brought to room temperature, e.g. by immersion in warm water with temperature up to 30°C or leaving it in room temperature for at least 24 h.
- Applicator temperature cannot be lower than can temperature.

Application

- Put on protective gloves.

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- 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.
- When sealing joinery without mechanical fastening, maintain a gap of a minimum of 10 mm and a maximum of 30 mm between the frame and jamb. Gaps > 30 mm are not permitted.
- When sealing joinery with mechanical fastening, maintain a minimum gap of 10 mm and a maximum gap of 30 mm between the frame and jamb. Fill gaps wider than 30 mm from bottom to top from one wall to another alternately forming a zigzag pattern. Gaps > 50 mm are not permitted.
- Should application be interrupted for more than 5 minutes, the applicator nozzle with fresh foam should be cleaned with polyurethane foam cleaner. To do so, place the plastic tube supplied with the dispensing applicator packaging on the dispensing applicator outlet to avoid the formation of mist containing the cleaner and applicator residue during cleaning. Then screw the can with the cleaner onto the dispensing applicator and press the trigger until clear liquid flows out of the applicator. The can should be shaken prior to application.

Works after completion of application

- Immediately after the foam is fully cured, it must be protected from UV exposure by using materials such as plaster, paint, or a frame seal.
- Clean the dispensing gun thoroughly after the completion of the work. To do so, place the plastic tube supplied with the dispensing gun packaging on the dispensing gun outlet to avoid the formation of mist containing the cleaner and applicator residue during cleaning. Then screw the can with the cleaner onto the dispensing gun and press the trigger until clear liquid flows out of the gun.

Remarks / restriction

- Embedding doors without the use of mechanical fasteners can cause deformation of the mounted element and is not allowed except for single-leaf interior doors (with a leaf weight ≤ 40 kg) in the 1st and 2nd class of mechanical strength according to PN-EN 1192:2001 covered by the National Technical Assessment ITB KOT 2023/2580 issue I.
- 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.
- Too early pre-treatment attempts cause irreversible changes in the foam's structure and stability and also affect the deterioration of the foam's performance.
- Open foam package should be used within 1 week.
- The foam displays lack of adhesion to polyethylene, polypropylene, polyamide, silicone and Teflon.
- Fresh foam should be removed with 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.

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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).

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 +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

CATALOGUE DATA

Nominal capacity / volume / size	Colour	Number of pieces per collective package	Number of pcs. per pallet	Index	EAN Code
750 ml	N/A	12			5902120241880

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SAFETY AND HEALTH PRECAUTIONS

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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