TYTAN PROFESSIONAL Low Expansion 65 GUN PU Foam

Tytan Professional 65 is gun foam that cures due to contact with water. It is recommended for a wide range of applications in the construction industry, such as assembly, sealing, filling, insulating etc. Highly innovative product recipe has allowed to increase output by 40%. After curing foam can be cut, sanded, plastered or painted. It is resistant to mold and fungus as well as to high and low temperatures (from -60°C to +100°C). The high-quality Tytan Professional 65 gun mounting foam is manufactured in accordance with the ISO 9001 standard.

BENEFITS

- increased foam yield
- decreased foam pressure
- decreased foam volume increase (postexpansion)
- standard foam flammability
- no application of foam multipositioning
- normal foam adhesion to surface

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

NORMS / ATESTS / CERTIFICATES

Additional information

- ITB-KOT-2018/0441
- Meets requirements of the French label A+

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TECHNICAL DATA

Parameter (+23°C/50% RH)	Value
Certification M1	M1
Certification O2	O2
Capacity (free foaming) (RB024) [l]	45 - 55
Capacity in gap (The value given for a gap with dimensions 35*1000*35 (width *length *depth [mm])) (RB024) [l]	38 - 43
Skin formation time (EN 17333-3:2020) [min]	≤10
Cutting time (EN 17333-3:2020). The result given for a foam strip of 3 cm diameter [min]	≤40
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
Flammability class (EN 13501-1:2008)	F
Heat conductivity coefficient (λ) (RB24) [W/mK]	0,036
Elongation at break [%]	15
Thermal resistance (after curing) [°C]	-40 - +90
Colour	**Value**
Yellow	+
Conditions of application	**Value**
Can / applicator temperature (optimal +20°C) [°C]	+10 - +30
Ambient / surface temperature [°C]	+5 - +30

METHOD OF USE

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

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Surface preparation

- The foam presents adhesion to typical construction materials, such as: brick, concrete, plaster work, wood, metals, styrofoam, hard PVC and rigid PUR.
- The working surface should be cleaned and degreased.
- The surface should be sprinkle with water at application temperature above 0°C.
- 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.
- 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 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.
- 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. In case of screwing the applicator off the can, the valve should also be cleaned with the cleaner.

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.
- 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.

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Remarks / restriction

- 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.
- 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.

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.

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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	Index	EAN Code
750 ml	N/A	12	10024861	5903518052859

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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