TYTAN PROFESSIONAL WINS Foam Adhesive for Window Sills 750 ml blue

TYTAN WINS Foam adhesive for window sills is a professional, modern and ready-to-use product for gluing window sills, as well as materials for windows such as: EPS, XPS, gypsum cardboard boxes, purenite, aluthermo foil. The use of foam adhesive significantly improves the execution of work. It shows excellent adhesion to bricks, concrete masonry units, silicate blocks, G-K boards, concrete, plasters, as well as wood, metals, polystyrene, PVC.

BENEFITS

- low adhesive pressure
- decreased B2 adhesive flammability
- high adhesion to surface
- high thermal bridges elimination
- high effectivity of work and clean technology

RECOMMENDED USES

- For fixing EPS in according to ETICS. Construction transversal.

TECHNICAL DATA

Parameter (+23°C/50% RH)	Value
Correction time [min]	≤15
Open time [min]	≤5
Full cure time (RB024) [h]	24
Flammability class (DIN 4102)	B2
Dimensional stability (EN 17333-2:2020) [%]	≤3

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Water resistance at 2200 Pa pressure difference [PN-EN 1027: 2001] for a gap with: length (864 ± 2) mm, depth (102 ± 1) mm, width (9.5 ± 0.5) mm in external Institute Research Report No. LK02-2289/11/Z00NK	100 %
Heat conductivity coefficient (RB024) [W/mK]	0,036
Capacity (surface coverage) [m^2]	6 - 14
Colour	**Value**
Blue	+
Conditions of application	**Value**
Can / applicator temperature (optimal +20°C) [°C]	+10 - +30
Ambient/surface temperature [°C]	0 - +30
Adhesion	**Value**
Concrete (studies conducted to 3mm wide gap in the external institute Research Report No LK02-2289/11/Z00NK) [MPa]	> 0,23
Cellular concrete (studies conducted to 3mm wide gap in the external institute Research Report No LK02-2289/11/Z00NK) [MPa]	> 0,5
Brick porotherm (studies conducted to 3mm wide gap in the external institute Research Report No LK02-2289/11/Z00NK) [MPa]	> 0,2
Wood (pine) (studies conducted to 3mm wide gap in the external institute Research Report No LK02-2289/11/Z00NK) [MPa]	> 0,35
Cardboard (studies conducted to 3mm wide gap in the external institute Research Report No LK02-2289/11/Z00NK) [MPa]	> 0,33
Extruded styroboards (XPS) (studies conducted to 3mm wide gap in the external institute Research Report No LK02-2289/11/Z00NK) [MPa]	> 0,26
Expanded styroboards (EPS) (studies conducted to 3mm wide gap in the external institute Research Report No LK02-2289/11/Z00NK) [MPa]	> 0,08
Mineral wool (studies conducted to 3mm wide gap in the external institute Research Report No LK02-2289/11/Z00NK) [MPa]	> 0,09
Cork boards (studies conducted to 3mm wide gap in the external institute Research Report No LK02-2289/11/Z00NK) [MPa]	> 0,4
Bitumen layer with mineral sprinkle (studies conducted to 3mm wide gap in the external institute Research Report No LK02-2289/11/Z00NK) [MPa]	> 0,35

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METHOD OF USE

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

Surface preparation

- The working surface should be cleaned and degreased.
- The surface can’t be icy, frosted or covered with snow.
- Secure surfaces exposed to accidental adhesive contamination.
- If the surface of the insulation boards is hydrophobic or coated, grind glued surface with abrasive paper in order to improve adhesion.

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”.
- FOR BONDING POLYSTYRENE BOARDS TO FACADE WALLS
- Apply a braid of adhesive with a thickness of approx. 2 cm directly to the styrofoam board to create a letter “M” enclosed from the top with a horizontal line constituting about 1/3 of the length of the board, parallel to the long edge of the board. It is important that in each case the distance from the adhesive braid to the edge of the board (also when vertical lines of the letter M are parallel to the shorter edge of the boards) is at least 2 cm.
- Stream volume and pace of application is controlled by pressure force on the applicator trigger.
- Within 5 minutes after the product application join the board with the wall and press slightly (slot 3-8 mm).
- The first layer of bonded boards must be supported on the starter strip.
- At lintels, support the boards until the bond cures.
- The board position should be corrected within 15 min from joining.
- In case of heavy wind or rainfall use scaffolding mesh.
- Foamed polystyrene boards anchoring depends on specification of used ETIC System and should be established based on technical documentation of the ETICS or European Technical Approvals guidelines ETAG for ETICS.
- FOR BONDING POLYSTYRENE BOARDS TO ROOFS AND FUNDATIONS
- 2 cm adhesive braids – it is recommended to provide the board with three braids parallel to each other and to the shorter edge of the styrofoam board, if possible of the same length and distance from each other (approx. 30 cm). In addition, the distance from the two extreme adhesive braids to the edge of the

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board should be approx. 17 cm.
- Stream volume and pace of application is controlled by pressure force on the applicator trigger
- Within 5 minutes after the product application join the board with the wall and press slightly (slot 3-8 mm).
- The board position should be corrected within 15 min from joining
- Foamed polystyrene boards anchoring depends on specification of used ETIC System and should be established based on technical documentation of the ETICS or European Technical Approvals guidelines ETAG for ETICS.

Works after completion of application

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

Remarks / restriction

- The adhesive working yield depends on several circumstances: air, surface and can temperatures, air humidity and the distance between the foamed polystyrene and the face of the wall, wall leveling. When application temperature is higher, time is reduced. When application temperature is lower and closer to the minimum, correction time may be extended.
- Open adhesive package should be used within 1 week.
- Product does not adhere to polyethylene, polypropylene, polyamide, silicones, Teflon.
- The adhesive is safe for polystyrene board, not destroy them.
- Use acetone Cleaner to remove uncured adhesive. Caution! Cleaners can cause for foamed polystyrene boards by dissolving matter. Hardened adhesive may only be removed mechanically (e.g. with a knife).
- Hardened adhesive 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, and do not expose to temperatures exceeding 50°C.

ADDITIONAL INFORMATION

All given parameters are based on laboratory tests compliant with internal manufacturer’s standards and strongly depend on adhesive hardening conditions (ca, ambient, surface temperature, quality of used equipment and skills of person applying the adhesive).

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-

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component foam manufacturers.

TRANSPORT / STORAGE

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

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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