

TYTAN PROFESSIONAL WINS Foam Adhesive for Window Sills 750 ml blue

10049226

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

- high adhesion to building materials surface
- wide application temperature range
- high effectivity of preapration
- high effectivity of application
- high thermal bridges elimination
- clean technology
- low adhesive pressure
- the adhesive is safe for polystyrene board, not destroy them

RECOMMENDED USES

- multipurpose construction adhesive with high adhesion to many materials and substrates

TECHNICAL DATA

Parameter (+23°C/50% RH)	Value
Full cure time (RB024) [h]	24
Open time [min]	≤5

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Correction time [min]	≤15
Heat conductivity coefficient (λ) (RB24) [W/mK]	0,035
Flammability class (DIN 4102)	B3
Flammability class (EN 13501-1:2008)	F
Mechanical anchoring [h]	2
Capacity [m] (studies conducted for the adhesive tails 2-3cm in diameter, performance is dependent on ambient temperature, humidity, the distance between the adhesive and the wall elements and the chosen method of application)	40
Conditions of application	Value
Can / applicator temperature (optimal +20°C) [°C]	+10 - +30
Ambient / surface temperature [°C]	-10 - +30
Adhesion	Value
OSB (joint 1,5 mm) [kPa]	≥110
Concrete (joint ≤1 mm) [kPa]	≥ 500
Clay masonry elements (joint ≤1 mm) [kPa]	≥200
Silicate blocks (joint ≤1 mm) [kPa]	≥600
Metal sheet with polyester coating (joint 1,5 mm) [kPa]	≥120
PVC (joint 1,5 mm) [kPa]	≥130
Roofing felt with mineral sprinkle (joint 3 mm) [kPa]	≥40
Laminate floor panels (joint 1,5 mm) [kPa]	≥170
Wood (joint 1,5 mm) [kPa]	≥260
Glass (joint 1,5 mm) [kPa]	≥110
Colour	Value
Light gray	+

METHOD OF USE

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



Surface preparation

- The adhesive presents ideal adhesion to typical construction materials, such as: brick, concrete, plaster work, wood, metals, styrofoam, hard PVC and rigid PUR.
- The substrate should be stable, even, dry, free of dust, powder, oil and grease.
- Check the insulation boards, OSB, roofing felt - if the surface is covered with a hydrophobic coating or another substance, it is necessary to sand the surface a little with a grinding tool or sand paper to increase 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".
- Apply the adhesive along the surface forming bead with required diameter 2-3 cm.
- Adjust application speed by controlling straw trigger in order to maintain required bead diameter. Keep the straw in the already applied adhesive mass – abt. 1 cm above the surface.
- General application guidelines: Apply adhesive onto the substrate, with bead diameter of \varnothing 2-3 cm (bead diameter depends on the evenness of the substrate). Wait 1 min. after application and join the elements together, but no later than 5 min. after application. Position of bonded elements can be corrected within 15 min. In case of large surfaces such as drywall or OSB, the adhesive should cover \geq 5 % of the bonding surface. In case of small decorative elements, adhesive should cover \geq 50% of bonding surface. Recommended joint thickness is \leq 5 mm. If elements are bonded to the ceiling or vertical surfaces, they must be temporarily fastened in place for 15 min. It is recommend to use mechanical connectors and distances. Mechanical anchors can be inserted after 2h. Full cure time 24 h. Once fully cured, adhesive is easy to cut, sand, plaster or dispersion paint (acrylic, latex). Protect against UV with plaster, paint or tape.
- Plasterboard, OSB: Sand the OSB in the place where the glue will be applied. Apply a 2-3 cm diameter braid of glue keeping 5 cm distance from the perimeter of the glued surface and an additional braid of glue in the middle of the glued surface. The glue should cover \geq 5% of the glued surface.
- Windowsill, stair tread and riser: apply minimum 2 parallel adhesive beads on the substrate where the windowsill will be bonded/ steps around tread or riser keeping 5cm from the edges.
- Installation of internal thermal insulation of the roof: apply adhesive bead around the circuit 5cm from the edges and serpentine bead(s) across the middle if required.
- EPS and XPS molding, decorative elements or insulation boards: apply adhesive bead around the circuit



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- Autoclaved Aerated Concrete: wardrobe, bath/sink pedestal, small partition walls: apply adhesive bead 5 cm from the edges, in the middle of AAC block. The substrate of first layer must be regular and even.

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.
- If the glue has not been used up completely after use, the applicator and also the valve should be cleaned with a polyurethane foam cleaner. To do this, place the plastic tube (included with the applicator) over the nozzle of the gun so that a mist containing the cleaner and residue from the applicator is avoided during cleaning. The can of cleaner should then be screwed onto the applicator and the trigger of the applicator pressed until clear fluid is coming out of it.

Remarks / restriction

- Do not use the product at temperatures lower than recommended.
- Open adhesive package should be used within 1 week.
- Product does not adhere to polyethylene, polypropylene, polyamide, silicones, Teflon.
- Quality and technical condition of used applicator affect the parameters of final product.
- 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).
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- The adhesive 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.



TRANSPORT / STORAGE

The adhesive 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 adhesive 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

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.