TYTAN PROFESSIONAL Window & Door PRO Insulating GUN PU Foam Sealant 24 oz

10021988

TYTAN Window & Door Insulating Foam Sealant is AAMA approved and uses innovative nobow technology to create a water-resistant and airtight seal! It saves money by providing more R-value per inch in combination with superior yield, allowing installers to install more windows & doors. The increased R-value reduces energy consumption and contributes to LEED's energy-saving standards while being environmentally friendly, containing no CFC’s or HCFC’s. Bonding well to most construction materials including wood, metal, vinyl, masonry, glass, and most plastics so your window & doors will stay sealed during construction and climate changes. With TYTAN Window & Door Insulating Foam Sealant you can Build with Confidence!

ADVANTAGES

- Minimal shrinking & over-expanding
- Low pressure formula
- 20-50% more yield than competition

RECOMMENDED USES

- Sealing for window fitting
- Sealing for door fitting
- Filling gaps, cracks & penetrations
- Sealing roof, wall & floor joints

STANDARDS & APPROVALS

- UL classified
- AAMA 812
- ASTM E84

Update date: 15.04.2025

Selena USA, Inc.
4055 International Plaza, Suite 640, Fort Worth 76109,
e-mail: info@selenausa.com, www.tytan.com

STANDARDS / APPROVALS / CERTIFICATES

Additional information

- UL 723: Flame Spread 15, Smoke Development 10
- ASTM E84
- AAMA 812-19

TECHNICAL DATA

Parameter (73°F (+23°C)/50% RH)	Value
Nominal value [oz]	24
Capacity (free foaming) (RB024) [l]	35 - 42
Capacity (free foaming) [cu.ft]	1,24 - 1,41
Capacity in gap (The value given for a gap with dimensions 35*1000*35 (width *length *depth [mm])) (RB024) [l]	24 - 28
Capacity in gap [cu.ft]	0,85 - 0,99
Secondary increase in volume (post-expansion) (EN 17333-2:2020) [%]	90 - 130
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
Heat conductivity coefficient (RB024) [W/mK]	≤0,036
Dimensional stability (EN 17333-2:2020) [%]	≤5
Flammability class (DIN 4102)	B3
R value	4 - 5
Heat conductivity coefficient [BTU.in/hr.ft2 .°F]	≤ 0,25
Flame spread/Smoke developed (UL723 (ASTM E84))	15/10
Yield using 1/2” bead [ft]	907
Compression strength [PSI]	≥5
Application conditions	**Value**
Can/applicator temperature [°F] (optimum 68°F)	50 - 86

Selena USA, Inc.
4055 International Plaza, Suite 640, Fort Worth 76109,
e-mail: info@selenausa.com, www.tytan.com

Ambient/substrate temperature [°F]	32 - 86

Color	Value
Yellow	+

DIRECTIONS FOR USE

Prior to application, read safety instruction presented in MSDS.

Substrate preparation

- The foam presents ideal 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 can be sprayed with water at application temperature above 32°F (0°C).
- Secure surfaces exposed to accidental foam contamination.

Product preparation

- If the can is too cold then the can should be brought to room temperature, e.g. by immersion in warm water with temperature up to 86°F (+30°C) or leaving it in room temperature for at least 24 h.

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.
- In case of sealing the open woodwork, gaps >1.18 in (3 cm) are not recommended. Gaps >1.97 in (5cm) are unacceptable. Slots wider than 1.18 in (3 cm) from the bottom to fill up from one wall to the other alternately forming a zigzag pattern.
- Should application be interrupted for more than 5 minutes, the applicator nozzle with fresh foam should be cleaned with polyurethane foam cleaner and the can should be shaken prior to application.

Post-application work

- Immediately after full foam hardening, it should be secured against exposure to UV rays by using e.g. plaster or paints.
- If the foam is not fully used up, after completion of work the applicator and valve should be cleaned with polyurethane foam cleaner.

Selena USA, Inc.
4055 International Plaza, Suite 640, Fort Worth 76109,
e-mail: info@selenausa.com, www.tytan.com

Restrictions / notes

- 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.
- 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 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 parameters are based on tests compliant with manufacturer's internal standards and are highly dependent on environmental conditions during application and curing of the foam (ambient and surface temperatures, condition of applicator and the skill of the installer).

Initial trimming of foam is based on the Cut time specified per product. If the Cut time is not specified, trimming is only to be attempted after the foam is fully cured.

The manufacturer uses test methods approved by FEICA, designed to deliver transparent and reproducible test results and to ensure that 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 18 months from the manufacturing date, provided that it is stored in the original packaging in a vertical position (valve facing up) in a dry place at a temperature from 41°F (+5°C) to 86°F (+30°C). Storage at a temperature exceeding 86°F (+30°C) shortens the shelf life of the product, adversely affecting its parameters. The product may be stored at a temperature of 23°F (-5°C), no longer than for 7 days (excluding transport). Storage of foam cans in temperatures exceeding 122°F (+50°C) or in the 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 should not be squeezed or pierced even when it is empty. Do not store the foam in the passenger compartment. Transported only in the trunk.

Selena USA, Inc.
4055 International Plaza, Suite 640, Fort Worth 76109,
e-mail: info@selenausa.com, www.tytan.com

Detailed transport information is included in the Safety Data Sheet (SDS).

Transport temperature	Transport period [days]
< -4°F (-20°C)	4
-2°F ÷ 14°F (-19°C ÷ -10°C)	7
16°F ÷ 32°F (-9°C ÷ -0°C)	10

CATALOG DATA

Nominal capacity / volume / size	Color	Pieces per pack	Index	EAN code
24 oz	N/A	12	10021988	820435007937

HEALTH AND SAFETY WARNINGS AND RECOMMENDATIONS

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.

Selena USA, Inc.
4055 International Plaza, Suite 640, Fort Worth 76109,
e-mail: info@selenausa.com, www.tytan.com