



# TYTAN PROFESSIONAL Window & Door Foam Sealant

FMS-FMS-0029-TP-76-oz-24-002

Item number: 10021988

TYTAN Professional Window & Door Insulating Foam Sealant is AAMA approved and uses innovative no-bow technology to create a water 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. With the increased R-value, it reduces energy consumption. 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!



## BENEFITS

- Minimal expansion technology
- More R-value per inch compared to fiberglass insulation
- Contributes to LEED's energy saving standards

## APPLICATION

- Used for sealing window and door frames
- Used for filling spaces, cracks, gaps, etc.
- Thermal insulation
- Acoustic insulation

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## NORMS / ATESTS / 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
Yield using 1/4" bead [ft]	3628
Yield using 1/2" bead [ft]	907
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
Dimensional stability (EN 17333-2:2020) [%]	≤5
Flame spread / Smoke developed ((UL723 (ASTM E84))	15/10
R value (per inch)	4 - 5
Conditions of application	Value
Can / applicator temperature [°F] (optimum 68°F)	50 - 86
Ambient/substrate temperature [°F]	41 - 86
Colour	Value
Yellow	+

## METHOD OF USE

Prior to application, read safety instruction presented in MSDS.



## Surface preparation

- The working surface should be clean and free of any dust, oil, grease, etc.
- Cover and protect surfaces not intended for foam exposure.

## Product preparation

- If necessary, the product should be brought to room temperature; e.g. by immersion in warm water (max temp up to 86°F (+30°C)), or by allowing the product to warm to room temperature for at least 24 hours.
- The TYTAN gun temperature cannot be lower than the can temperature.
- Use protective gloves, mask and glasses.
- Shake the can vigorously for 30-45 seconds.
- Remove the protective cap, invert the can and screw the can firmly onto the TYTAN gun using the plastic collar and do not over tighten.
- Maintain the can in an upside-down, inverted position during the application.
- Adjust the control knob on the TYTAN gun handle to achieve the desired application flow. Point the TYTAN gun into a trash can and slowly pull the trigger to test dispensing flow rate until desired bead size is determined.

## Application

- Always dispense the product with the can inverted, valve down.
- While applying the foam, maintain a consistent pulling motion with the TYTAN gun tip leading the direction the foam will be applied.
- Vertical gaps should be filled with the foam starting at the bottom and moving up.
- Do not fill the entire gap, the foam will increase in volume.
- If the application of the foam is delayed for more than 5 minutes, clean the TYTAN gun tip with TYTAN Foam Cleaner and vigorously shake the can prior to resuming application.
- Sealing gaps greater than 1.18 inches (3 cm) is not recommended. Sealing of gaps greater than 1.97 inches (5 cm) is not permitted. Gaps wider than 1.18 inches and less than 1.97 inches should be filled from the bottom to the top, in a zigzag pattern.
- Upon finishing the application, tighten the control knob, clean the TYTAN gun tip with TYTAN Foam Cleaner leaving the TYTAN gun attached and store the can in an upright position.



## Works after completion of application

- Cured foam will be damaged when exposed to UV rays. Protect cured foam by covering or painting.
- After completion of work, the TYTAN gun should be thoroughly cleaned using TYTAN Foam Cleaner. When the can is empty, tighten the control knob, unscrew the can from the TYTAN gun and spray the tip and basket of the TYTAN gun with TYTAN Foam Cleaner. Then screw on the can of TYTAN Foam Cleaner, open the control knob and squeeze the trigger until clear foam cleaner solution is flowing out of the TYTAN gun. Tighten the control knob to ensure no air will enter the barrel of the TYTAN gun and unscrew the foam cleaner from the TYTAN gun.

## Remarks / restriction

- Doors and Windows should be connected to structural framing according to the manufacturer's recommendations. Use of this product does not reduce the requirement of mechanical fasteners specified by window and door manufacturers.
- Always leave the can on the TYTAN gun until a new can is needed to continue or start a new application. The can should only be removed when empty and a new can is needed to complete the same job.
- Ensure the control knob is tightened when the product is not in use. Air entering the barrel of the TYTAN gun for more than 2-3 minutes will decrease the efficiency and life of your TYTAN gun.
- The curing of the product is dependent on temperature and humidity. A significant decrease in temperature within 24 hours of application can affect the product's properties and adhesion.
- Use opened product within 30 days.
- The product will not adhere to polyethylene, polypropylene, polyamide, silicone and Teflon.
- Quality and condition of the TYTAN gun can impact the performance of the foam product.
- Uncured foam can be removed with TYTAN Foam Cleaner.
- Hardened foam may be removed mechanically (e.g. with a knife).
- For the safety of the installer, always ensure access to adequate ventilation during the application of polyurethane foams.
- A TYTAN Professional gun applicator must be used to keep this products' warranty.



## REMARKS / RESTRICTION

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 TYTAN gun 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.

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

Transport temperature	Foam 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



## 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.