TYTAN PROFESSIONAL Fill All PU Foam Sealant 12 Oz

Item number: 10016723

TYTAN Professional Fill All straw is a minimal expanding foam sealant that is ready-to-use for filling, insulating and sealing gaps, cracks and openings in the interior and exterior of buildings. The multi - purpose formula creates a durable, airtight and watertight seal that blocks air infiltration, provides high insulation R-value and saves time and energy. It has excellent adhesion to most building surfaces including wood, glass, metal, masonry and plastic. It is environmentally friendly with no CFC's or HCFC's and it is UL classified. With TYTAN Fill All straw you can build with confidence!

BENEFITS

- Fills gaps and cracks from 1/4" to 3"
- Minimal expansion foam technology that won't over expand
- Adheres to most common construction materials
- Can be sanded, cut and painted

APPLICATION

- Filling free spaces, cracks, gaps, pipe penetrations
- Sealing roof, wall and floor joints
- Thermal insulation
- Acoustic insulation

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NORMS / ATESTS / CERTIFICATES

- UL 723; Flame Spread 15, Smoke Development 10
- ASTM E84

TECHNICAL DATA

Parameter (73°F (+23°C)/50% RH)	Values
Nominal value [oz]	12
Capacity (free foaming) (RB024) [l]	11 - 14
Capacity (free foaming) cu [ft]	0,41 - 0,51
Yield using 3/8” bead [ft]	529
Yield using 1/4” bead [ft]	1191
Yield using 1/2” bead [ft]	298
Capacity in gap (The value given for a gap with dimensions 35*1000*35 (width *length *depth [mm])) (RB024) [l]	11 - 13
Capacity in gap cu [ft]	0,41 - 0,46
Secondary increase in volume (post-expansion) (EN 17333-2:2020) [%]	100 - 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]	≤60
Full cure time (RB024) [h]	24
Flame spread / Smoke developed ((UL723 (ASTM E84))	15/10
R value (per inch)	4 - 5

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Conditions of application	Value
Can / applicator temperature [°F] (optimum 68°F)	50 - 86
Ambient/substrate temperature [°F]	32 - 86
Colour	**Value**
Yellow	+

METHOD OF USE

Prior to application, read the safety instruction presented in the SDS.

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.
- Use protective gloves, mask and glasses.
- Shake the can vigorously for 30-45 seconds.
- Remove the protective cap, invert the can and screw the straw firmly onto the can and do not over tighten.
- Maintain the can in an upside-down, inverted position during the application.
- While pointing into a trash can, adjust the pressure on the straw to achieve the desired application flow.

Application

- Always dispense the product with the can inverted, valve down.
- While applying the foam, maintain a consistent pulling motion with the straw 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, vigorously shake the can prior to resuming application.
- Gaps wider than 1.18 inches and less than 3 inches should be filled from the bottom to the top, in a zigzag pattern.

Works after completion of application

- Cured foam will be damaged when exposed to UV rays. Protect cured foam by covering or painting.

Remarks / restriction

- 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.
- The product will not adhere to polyethylene, polypropylene, polyamide, silicone and Teflon.
- Quality and condition of storage can impact the performance of the foam.
- 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.

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.