TYTAN PROFESSIONAL Subfloor Adhesive, Straw

FOA-FOA-8565-TP-74-oz-20-002

Item number: 10024549

TYTAN Professional Subfloor Adhesive prevents floor squeaks by filling gaps between subfloor and joists, reducing strain on mechanical fasteners. Upon application, TYTAN Subfloor Adhesive immediately reduces to a gel, then slowly expands over 48 hours to fill the voids and provide a strong, squeak-free bond to lumber, plywood, joists, trusses, decking, concrete, metals, masonry and other substrates.

Using TYTAN's expanding gel technology, one 20 oz can of TYTAN Professional Subfloor Adhesive replaces up to 6 conventional 28 oz caulk adhesive cartridges. Its quick and easy application is more than twice as fast as traditional caulk adhesives. TYTAN Subfloor Adhesive can be used on dry, wet, and frozen lumber when the air temperature is within the recommended range. With TYTAN Professional Subfloor Adhesive you can Build with Confidence!

BENEFITS

- Prevents floor squeaks
- Polyurethane Bonding Technology
- Adheres to wet, dry and frozen lumber

APPLICATION

- Used to provide a strong bond between subfloor and joists.
- Used in bonding decking to wood-framed construction.

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NORMS / ATESTS / CERTIFICATES

The product has:

- UL 723; Flame Spread 15, Smoke Developed 10
- ASTM D3498
- APA-AFG-01

TECHNICAL DATA

Parameter (73°F (+23°C)/50% RH)	Value
Nominal value [oz]	20
Yield (linear yield of 1,2 cm width bead) 20 oz can cu [ft]	300
Skin formation time (EN 17333-3:2020) [min]	≤ 20
Full cure time (RB024) [h]	48
Compression strength [PSI]	14
Tensile strength [PSI]	61
Shear strength-dry lumber [PSI]	451
Flame spread / Smoke developed ((UL723 (ASTM E84))	15/10
Conditions of application	**Value**
Can / applicator temperature [°F] (optimum 68°F)	23 - 95
Ambient/substrate temperature [°F]	23 - 95
Colour	**Value**
Yellow	+

METHOD OF USE

Prior to application, read safety instruction presented in SDS.

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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.
- When applying the foam adhesive, the bead diameter should not exceed 1.18 inches.
- A serpentine bead should be used when possible.
- If two subfloor panels butt together, apply two beads side by side on the substrate.
- For best results, apply the subfloor panels between 3-5 minutes after dispensing the adhesive on the substrate. Do not wait longer than 20 minutes to apply the subfloor panels.
- If the application of the foam is delayed for more than 5 minutes, vigorously shake the can prior to resuming application.

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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 subfloor panel should be installed per manufacturer specifications and fastened per building code.
- 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 stroage 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).

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.

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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.

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