TYTAN PROFESSIONAL Subfloor Adhesive 29 oz

10018122



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 29oz can of TYTAN Professional Subfloor Adhesive replaces up to 10 conventional 28oz 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. TYTAN's long-barrel applicator allows users to install this product from a standing position, reducing strain on the back, knees, and hands compared to traditional caulk adhesive applicators. For a Job Well Done, use Tytan Professional Subfloor Adhesive!

ADVANTAGES

- stops floor squeaks
- replaces up to 10 28oz caulk adhesive cartridges
- adheres to wet, dry and frozen lumber
- easy and fast installation
- polyurethane bonding technology

- ASTM D3498
- APA-AFG-01
- UL Classified

RECOMMENDED USES

- Used to provide a strong bond between subfloor and joists.
- Used in bonding decking to wood-framed construction.
- Formulated for installing OSB, plywood, treated lumber, composite decking, and many other popular construction materials

Update date: 19.11.2026

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TECHNICAL DATA

Parameter (+23°C/50% RH)	Value
Skin formation time (EN 17333-3:2020) [min]	≤ 20
Secondary increase in volume (post-expansion) (EN 17333-2:2020) [%]	0
Compression strength [PSI]	14
Shear strength-dry lumber [PSI]	451
Flame spread/Smoke developed (UL723 (ASTM E84))	15/10
Parameter (73°F (+23°C)/50% RH)	**Value**
Full cure time (RB024) [h]	48
Tensile strength [PSI]	61
Heat conductivity coefficient [BTU.in/hr.ft2 .°F]	≤ 0,25
VOC content [g/l]	167
Nominal value [oz]	29
Yield using 1/2” bead the value is based on theoretical calculations from free foaming yield using internal methodology RB/024 [ft]	500
Initial Curing Time [h]	8
Thermal resistance after curing [°C]	-129 - +116
Thermal resistance after curing [°F]	-200 - +240
Application conditions	**Value**
Can / applicator temperature (optimal +20°C) [°C]	-5 - +35
Ambient/surface temperature [°C]	-5 - +35
Can/applicator temperature [°F] (optimum 68°F)	23 - 95
Ambient/substrate temperature [°F]	23 - 95
Color	**Value**
Yellow	+

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DIRECTIONS FOR USE

Prior to application, read safety instruction presented in MSDS.

Substrate preparation

- Clean the surface of oil, dust and greases. For best results, and maximum yield, apply at temperatures 41°F - 95°F. Use below 23°F is not recommended. Protect the area being sprayed with tape, cloth, plastic, or other material.

Product preparation

- Shake can vigorously for 30-45 seconds. Remove protective cap, invert can, and screw the can firmly onto the dispensing gun – do not over tighten. Maintain the can in upside down, inverted position during application of the adhesive. Point gun in safe direction and slowly pull trigger to test dispensing flow rate. Adjust control knob on gun handle to achieve the desired application flow.

Application

- Slowly apply the adhesive to desired location. If panels butt together, apply two beads side by side. A serpentine bead should be used when possible. For best results, apply subfloor panels between 3-5 minutes after dispersing adhesive. Do not wait more than 10 minutes to apply panels. Firmly place panels onto adhesive and hold. Secure the substrate with mechanical fasteners. Panels will adhere within 15 minutes. Fully cures within 5 days.

Post-application work

- Immediately after full adhesive hardening, it should be secured against exposure to UV rays by using e.g. plaster or paints, acrylic, silicon. Use Foam Cleaner’s spray nozzle to spray any uncured foam off the end of the gun applicator nozzle into a trash can or a throw away material. Remove the used foam canister from the gun applicator and spray all external uncured foam with Foam Cleaner. Screw the Foam Cleaner canister onto the gun and spray the cleaner through the gun to clean uncured foam out the inside of the gun barrel. Leave the Foam Cleaner canister screwed onto the gun applicator. Tighten the control knob on the guns handle so no air can enter the barrel of the gun. Air entering the barrel of the gun for more than 2-3 minutes will decrease the efficiency and life of your gun.

Restrictions / notes

- 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.
- Use opened foam packaging within 1 week
- The foam displays lack of adhesion to polyethylene, polypropylene, polyamide, silicone and Teflon.
- Fresh adhesive should be removed with polyurethane foam cleaner.

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- Hardened adhesive may only 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 specifications are based on laboratory tests that conform to the manufacturer's internal standards and strongly depend on the foam curing conditions (temperature cans, ambient, substrate quality of the equipment used and the skill of the person administering the foam).

Producer uses test methods approved by FEICA designed to deliver transparent and reproducible test results, ensuring 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 manufacturing date, provided that it is stored in original packaging in vertical position (valve facing up) in a dry place in temperature from 41°F (+5°C) to 86°F (+30°C). Storage in temperature exceeding 86°F (+30°C) shortens the shelf life of the product, adversely affecting its parameters. The product may be stored in temperature 23°F (-5°C), no longer than for 7 days (excluding transport). Storage of foam cans in temperature exceeding 122°F (+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 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 Material Safety Data Sheet (MSDS).

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

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CATALOG DATA

Nominal capacity / volume / size	Color	Pieces per pack	Index	EAN code
29 oz	N/A	12	10018122	820435001447

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.

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