



# TYTAN PROFESSIONAL Subfloor Adhesive

FOA-FACSUBG1-TP-73-oz-29-002

10018122

TYTAN Subfloor Adhesive's innovative expanding gel technology foams up after being dispensed to provide the strongest adhesive with high yield! With 29oz of TYTAN Polyurethane Adhesive gel, one can of TYTAN Subfloor replaces up to 10 conventional 28oz subfloor caulk adhesive cartridges. You will be able to cut your time by more than half and reduce the number of fasteners compared to installing without TYTAN Subfloor adhesive while meeting ASTM D3498 and APA-AFG-01. Our Subfloor can be used on dry, wet, and frozen lumber when the air temperature is within the recommended range. Bonding the subflooring to the joist with TYTAN polyurethane adhesive technology helps to provide a tight seal, level flooring, and prevent squeaks. You won't only save time and money from the fast and easy application of our adhesive, but the long barrel TYTAN LB80 Applicator will also reduce the strain on your back, knees, and hands compared to traditional caulk adhesive applicators. TYTAN Subfloor adhesive provides a strong, squeak-free bond to lumber, OSB, plywood, joists, trusses, decking, concrete, metals, masonry, and other substrates.



## BENEFITS

- Prevents floor squeaks
- Replaces up to 10 28oz caulk adhesive cartridges
- 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.

## TECHNICAL DATA

**For orders or more information contact:**  
**Caliber Supply, LLC**  
**P.O. Box 22041 Mesa, AZ 85277**  
**Phone (480) 336-8342**  
**Caliber-Supply.com**



Parameter (73°F (+23°C)/50% RH)	Value
Nominal value [oz]	29
Yield (linear yield of 1,2 cm width bead) 29 oz can cu [ft]	500
Skin formation time (EN 17333-3:2020) [min]	≤ 20
Full cure time (RB024) [h]	48
Secondary increase in volume (post-expansion) (EN 17333-2:2020) [%]	0
Cure [h]	In 8h, fully cured in 48h
Compression strength [PSI]	14
Tensile strength [PSI]	61
Shear strength-dry lumber [PSI]	451
Heat conductivity coefficient (λ) [ BTU.in/hr.ft2 .°F]	≤ 0,25
Flame spread / Smoke developed ((UL723 (ASTM E84))	15/10
VOC content [g/l]	89
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 MSDS.

### Surface 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.

## Works after completion of application

- 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.

## Remarks / restriction

- 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.
- 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.
- 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.

## REMARKS / RESTRICTION

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 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 Material Safety Data Sheet (MSDS).

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.