TYTAN PROFESSIONAL Subfloor High Yield Pro PU Foam Adhesive 20 oz

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 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 LB80 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

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

RECOMMENDED USES

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

STANDARDS / APPROVALS / CERTIFICATES

The product has:

- UL 723
- ASTM D3498

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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
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 [BTU.in/hr.ft2 .°F]	≤ 0,25
Flame spread/Smoke developed (UL723 (ASTM E84))	15/10
VOC content [g/l]	90
Application conditions	**Value**
Can/applicator temperature [°F] (optimum 68°F)	23 - 95
Ambient/substrate temperature [°F]	23 - 95
Color	**Value**
Yellow	+

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.

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Product preparation

- Shake can vigorously for 30-45 seconds. Remove cap and screw trigger and straw assembly onto valve.

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. Spray any uncured adhesive with a foam cleaner and wipe away with a disposable material. You may also use nail polish remover, acetone or paint thinner for easy clean-up of uncured adhesive. Cured adhesive cannot be removed with solvents. Cured adhesive must be removed mechanically and may leave a residue.

Restrictions / notes

- BONDING FLOORS AND FLOOR COVERINGS WITHOUT MECHANICAL CONNECTORS IS NOT ALLOWED. NO MECHANICAL CONNECTORS MAY CAUSE DEFORMATION OF MOUNTED COMPONENT OR ITS FALL.
- 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.

ADDITIONAL INFORMATION

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 applicator 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

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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

CATALOG DATA

Nominal capacity / volume / size	Color	Pieces per pack	Index	EAN code
20 oz	N/A	12	10024549	820435001621

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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