



# TYTAN PROFESSIONAL Drywall PRO High Yield Adhesive 29oz

TYTAN Drywall PRO High Yield Adhesive is an innovative aerosol-delivered polyurethane adhesive designed to prevent screw pops and save you time, energy, and money. One 29oz can replaces more than 12 28oz adhesive cartridges, which reduces material cost, installation time, and excess waste. The TYTAN PRO applicator is easy to use and will also reduce body strain compared to traditional adhesive applicators. TYTAN Drywall Adhesive cures through moisture in the air, so it does not shrink like popular latex adhesives. Adhesive shrinking is proven to cause screw pop issues, but builders rely on latex adhesives because alternative adhesives are too costly. Using TYTAN to bond and seal every wall panel improves energy efficiency and blower door test results by sealing small gaps and imperfections in the wood. TYTAN Drywall High Yield Adhesive is approximately twice as strong as leading latex drywall adhesives. It may be applied on wall and ceiling applications and adheres to most construction materials including: drywall, vinyl-faced wallboard, masonry, lumber, cork, steel studs, and other wood materials.

## FEATURES:

- Replaces 12 28oz Cartridges
- No Solvents
- Prevents Screw Pops
- Approved for Exterior Sheathing and Drywall Applications
- Seals Air Out
- Prevents Loose Boards
- Conforms to ASTM D-6464 and ASTM C-557.

## APPLICATIONS

BONDING DRYWALL, OSB, PLYWOOD, WOOD, CORK. EXTERNAL INSULATION BOARDS (EPS, XPS) THERMAL INSULATION SYSTEMS, EXTERNAL BONDING OF DECORATIVE ELEMENTS OF BUILDINGS. BONDING AND FILLING SYSTEMS SIP, ICF, EIFS.

## BENEFITS

▲▲▲	ADHESION TO SURFACE
▲▲	ADHESIVE YIELD
■	ADHESIVE PRESSURE
■	ADHESIVE VOLUME INCREASE (POSTEXPANSION)
■	ADHESIVE FLAMMABILITY
-	ADHESIVE MULTIPOSITIONING
▲▲▲ high; ▲▲ increased; ■ normal; ▼▼ decreased; ▼▼▼ low; - no application	



## APPLICATION CONDITIONS

Can/ applicator temperature [°C] (optimal +20°C)	23°F ÷ 104°F -5°C ÷ +40°C
Ambient/ surface temperature [°C]	23°F ÷ 104°F -5°C ÷ +40°C

## DIRECTIONS FOR USE

Prior to application, read safety instruction presented at the end of TDS and in MSDS.

### 1. SURFACE PREPARATION

Clean the surface of oil, dust and greases. Use below 23°F is not recommended. Protect beneath the application area with cloth, plastic, or other material.

### 2. 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.

### 3. APPLICATION

Slowly apply the adhesive onto mounting studs. If panels butt together, apply two beads side by side. A serpentine bead should be used when possible. Material must be attached within 10 minutes for desired performance. Firmly place wallboard onto adhesive and hold. While maintaining pressure on the wallboard, secure the wallboard with mechanical fasteners.

### 4. WORKS AFTER COMPLETION OF APPLICATION

Only use Foam Cleaner in well-ventilated areas or with approved respiratory equipment. 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.

### 5. REMARKS / RESTRICTIONS

INSTALLING DRYWALL WITHOUT NAILS OR SCREWS IS NOT ALLOWED. NO MECHANICAL CONNECTORS MAY CAUSE DEFORMATION OF MOUNTED COMPONENTS.

- 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.



- Especially in lower temperatures, it is recommended to leave the applied foam until it is fully hardened.
- Hurried attempts at preliminary treatment may cause irreversible changes in foam structure and its stability and may affect deterioration of foam utility parameters.
- Open foam package should be used within 1 week.
- Product does not adhere to polyethylene, polypropylene, polyamide, silicones, 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.
- Adhesive should not be used in spaces without access of fresh air and poorly ventilated or in places exposed to direct sunlight.

## TECHNICAL DATA

Color	
white	+

Parameter (+23°C/50% RH) <sup>1)</sup>	Value
Yield (linear yield of 1,2 cm width bead) can cu [ft]	Min 500" at ½" bead 800" (average result)
Tack-free time [min] (TM 1014-2013**)	≤ 20
Working time [min]	30
Initial grab [min]	15
Full cure time [h] (RB024)	48
Secondary increase in volume (post-expansion) [%] (TM1010-2012**)	25
Shear strength-dry lumber [PSI]	≥ 290
Flammability class (DIN 4102)	B3

<sup>1)</sup> All given parameters are based on laboratory tests compliant with internal manufacturer's standards and strongly depend on foam hardening conditions (ca, ambient, surface temperature, quality of used equipment and skills of person applying 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-technology-ocf>. FEICA is a multinational association representing the European adhesive and sealant industry, including one-component foam manufacturers. Further information at: [www.feica.eu](http://www.feica.eu)

## TRANSPORT / STORAGE

Transport temperature	Transport period [days]
< -4°F	4
-3°F ÷ 14°F	7
15°F ÷ 32°F	10

The adhesive 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 41°F do 86°F. Storage in temperature exceeding 86°F shortens the shelf life of the product, adversely affecting its parameters. The product may be stored in temperature - 41°F, no longer however than for 7 days (excluding transport). Storage of foam cans in



temperature exceeding 122°F 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 cannot 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).**

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.