



# TYTAN PROFESSIONAL Foam Bond 60 Foam Adhesive

TYTAN Foam Bond 60 PRO Foam Adhesive's innovative formula bonds architectural foam shapes and foam panels fast! It does not contain solvents so it does not have an offensive odor and is safe for all foams. It bonds after 60 seconds and is secure after five minutes. It performs well on damp surfaces and has excellent bond strength on a range of popular construction materials. The TYTAN PRO applicator reduces body strain and allows you to work faster compared to using a conventional cartridge applicator. It cures by the moisture in the air, so high humidity speeds up the curing process.

## APPLICATIONS

MULTIPURPOSE CONSTRUCTION ADHESIVE WITH HIGH ADHESION TO MANY MATERIALS AND SUBSTRATES.

## BENEFITS

|   |
|---|
| ▲▲▲ ADHESION TO BUILDING MATERIALS SURFACE                                |
| ▲▲▲ WIDE APPLICATION TEMPERATURE RANGE                                    |
| ▲▲▲ EFFECTIVITY OF PREPARATION  |
| ▲▲▲ EFFECTIVITY OF APPLICATION  |
| ▲▲▲ THERMAL BRIDGES ELIMINATION   |
| ▲▲▲ CLAEEN TECHNOLOGY   |
| ▼▼▼ ADHESION PREASSURE  |
| ▲▲▲ high; ▲▲ increased; ■ normal; ▼▼ decreased; ▼▼▼ low; - no application |

## APPLICATION CONDITIONS

|   |                             |
|---|-----------------------------|
| Can/ applicator temperature [°C]<br>(optimal +20°C) | 41°F ÷ 95°F<br>+5°C ÷ +35°C |
| Ambient/ surface temperature [°C]                   | 32°F ÷ 95°F<br>0°C ÷ +35°C  |

## DIRECTIONS FOR USE

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

### 1. SURFACE PREPARATION

Wearing work clothes, gloves, and eye protection is recommended. Use only with adequate ventilation or approved respiratory equipment. Clean the surface of oil, dust and greases.



Use below 59°F is not recommended. Protect the area being sprayed with tape, 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 TYTAN dispensing gun – do not over tighten. Maintain the can in upside-down, inverted position during application of the foam. 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. Fill cavities partially as foam will expand- do not overfill. Do not apply into spaces with inadequate moisture and humidity.

## **3. APPLICATION**

Spray water onto uncured foam for better results. You may cut the foam after 40 minutes, cures in 24 hours (40% R.H. at 68°F). Higher humidity and temperatures will speed up curing process. Cured foam can be cut, sanded or painted. Always paint foam that is exposed to UV radiation. For more information, go to the “Try TYTAN” tab at TYTAN.com

### **General application guidelines.**

Apply adhesive onto the substrate, with bead diameter of 2-3 cm (bead diameter depends on the evenness of the substrate). Wait 1 min. after application and join the elements together. Position of bonded elements can be corrected within 5 min. In case of bonding large surfaces such as drywall or OSB, the adhesive should cover  $\geq 5\%$  of the bonding surface. In case of bonding small decorative elements, the adhesive should cover  $\geq 50\%$  of bonding surface. Recommended joint thickness is  $\leq 10$  mm. It is necessary to level the surface when unevenness exceeds 1 cm. In the case of bonding elements to the ceiling or vertical surface, the elements must be temporarily fixed in place until they reach the grip. It is recommended to use mechanical connectors and distances. Full cure time 24 h. Once fully cured, adhesive is easy to cut, sand, plaster or paint. Protect against UV with e.g. plaster, paint.

### **Gypsum Board (DryWall), OSB (cheap board).**

Sand OSB surface in the spots where adhesive will be applied. Apply adhesive bead around the board's circuit 5cm from the edges, and additional serpentine bead(s) across the middle. Adhesive should cover  $\geq 5\%$  of the bonded surface.

### **Windowsill, stair tread and riser.**

Apply minimum 2 parallel adhesive beads on the substrate where the windowsill will be bonded/ around tread or riser, 5cm from the edges.

### **Roofing repairs and installation of thermal insulation.**

Apply adhesive bead around the circuit 5cm from the edges and serpentine bead(s) across the middle if required.

### **EPS and XPS molding, decorative elements or insulation boards.**

Apply adhesive bead around the circuit 5cm from the edges and serpentine bead(s) across the middle if required.

### **Autoclaved Aerated Concrete: wardrobe, bath/sink pedestal, small partition walls.**

Apply adhesive bead 5 cm from the edges, in the middle of AAC block. The substrate of first layer must be regular and even.



#### 4. WORKS AFTER COMPLETION OF APPLICATION

Gun Cleaning: use TYTAN Wipes to clean the tip of the gun in between uses. Only use TYTAN Foam Cleaner in well-ventilated areas or with approved respiratory equipment. Use TYTAN 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 TYTAN Foam Cleaner. Screw the TYTAN 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 TYTAN 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.

Foam Clean up: spray any uncured foam with TYTAN Foam Cleaner and wipe away with TYTAN Wipes. You may also use nail polish remover, acetone, or paint thinner for easy clean-up of uncured foam. Cured foam cannot be removed with solvents. Cured foam must be removed mechanically and may leave a residue. Cured foam can be removed from skin using an industrial cleaner with pumice or petroleum jelly. Cured foam will wear away over time and is not harmful to health.

#### 5. REMARKS / RESTRICTIONS

- Lower than recommended application temperature results in yield decreasing and extension of the adhesive drying time.
- Open adhesive package should be used within 1 week.
- Product does not adhere to polyethylene, polypropylene, polyamide, silicones, Teflon.
- Quality and technical condition of used applicator affect the parameters of final product.
- The adhesive is safe for polystyrene board, not destroy them.
- Use acetone Cleaner to remove uncured adhesive. Caution! Cleaners can cause for foamed polystyrene boards by dissolving matter. Hardened adhesive may only be removed mechanically (e.g. with a knife).
- Hardened adhesive may only be removed mechanically (e.g. with a knife).
- The 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  |   |
|--------|---|
| yellow | + |

| Parameter (+23°C/50% RH) <sup>1)</sup> | Value |
|--|-------|
| Capacity [m] <sup>2)</sup>             | 36    |
| Full cure time [h] (RB024)             | 24    |
| Open time [min] <sup>1)</sup>          | 2-5   |
| Correction time [min] <sup>1)</sup>    | 2-5   |
| Initial grip [s]: <sup>3)</sup>        |       |
| -light elements                        | 60    |
| -heavy elements                        | 120   |

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|                                      |    |
|--------------------------------------|----|
| Flammability class (DIN 4102)        | B3 |
| Flammability class (EN 13501-1:2008) | F  |

- 1) 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). For gaps wider than 2cm values may differ from those declared in the technical data table.
- 2) Studies conducted for the adhesive tails 2-3cm in diameter, performance is dependent on ambient temperature, humidity, the distance between the adhesive and the wall elements and the chosen method of application.
- 3) The given times apply to a minimum humidity of 40%. In the case of lower humidity times may be extended.

## TRANSPORT / STORAGE

| Transport temperature | Foam transport period [days] |
|-----------------------|------------------------------|
| < -20°C               | 4                            |
| -19°C ÷ -10°C         | 7                            |
| -9°C ÷ 0°C            | 10                           |

The adhesive maintains its usability within 12 months from manufacturing date, provided that it is stored in original packaging in vertical position (valve facing up) in a dry place in temperature +5°C do +30°C. Storage in temperature exceeding +30°C shortens the shelf life of the product, adversely affecting its parameters. The product may be stored in temperature -5°C, no longer however than for 7 days (excluding transport). Storage of adhesive cans in temperature exceeding +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 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.