TYTAN PROFESSIONAL Foam Bond 60 PRO Foam Adhesive 24 oz

10038218

Tytan Professional Foam Bond 60 is one of the fastest curing universal one-component polyurethane adhesive that is EPS, XPS and ISO foam board safe. With superior strength and quick adhesion, Foam Bond 60 can be used in many applications faster than traditional caulk adhesive. Made to have a fast tack, Foam Bond 60 can help reduce fasteners needed and ensure a strong bond that won't fade with time. Foam Bond 60 works with most construction materials including metal, wood, brick, stone, rubber, vinyl, PVC and more. With TYTAN Professional Foam Bond 60 you can Build with Confidence!

ADVANTAGES

- fastest multi-purpose polyurethane adhesive
- foam safe, solvent free
- 60 second adhesion to building materials surface
- application temperature range that suits North America
- creates a strong bond the first time that wont weaken
- helps reduce the amount of fasteners needed
- fast and easy application

RECOMMENDED USES

- multipurpose construction adhesive with high adhesion to many materials and substrates
- EPS, XPS, PUR, ISO, and mineral wool
- trim, molding
- installing counter tops
- hanging mirrors
- all DIY projects

STANDARDS / APPROVALS / CERTIFICATES

Additional information

- ASTM E84
- UL 723: Flame Spread 15, Smoke Development 10

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- AAMA verified component

TECHNICAL DATA

Parameter (73°F (+23°C)/50% RH)	Value
Nominal value [oz]	24
Initial grip: heavy elements (The given times apply to a minimum humidity of 40%. In the case of lower humidity times may be extended.) [s]	120
Initial grip: light elements (The given times apply to a minimum humidity of 40%. In the case of lower humidity times may be extended.) [s]	60
Correction time [min]	2 - 5
Open time [min]	2 - 5
Full cure time (RB024) [h]	24
Flammability class (DIN 4102)	B3
Heat conductivity coefficient [BTU.in/hr.ft2 .°F]	≤0,25
Flame spread/Smoke developed (UL723 (ASTM E84))	15/10
VOC content [g/l]	84
Shear strength, 1mm joint, open time 60-90 s [T=+23°C, RH=50%] (EOTA TR 46) [PSI]	>29
Tensile strength, 1mm joint, open time 60-90 s [T=+23°C, RH=50%] (EOTA TR 46) [PSI]	>44
Application conditions	**Value**
Can/applicator temperature [°F] (optimum 68°F)	41 - 95
Ambient/substrate temperature [°F]	32 - 95
Color	**Value**
Yellow	+

DIRECTIONS FOR USE

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

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Substrate preparation

- The adhesive presents ideal adhesion to typical construction materials, such as: cellular concrete, ceramic hollow block, brick, concrete, styrofoam, wood, OSB, cardboard, mineral wool, silicate blocks, plaster.
- The substrate should be stable, even, dry, free of dust, powder, oil and grease.
- Check the insulation boards, OSB, roofing felt - if the surface is covered with a hydrophobic coating or another substance, it is necessary to sand the surface a little with a grinding tool or sand paper to increase adhesion.

Product preparation

- If the can is too cold then the can should be brought to room temperature, e.g. by immersion in warm water with temperature up to 86°F (+30°C) or leaving it in room temperature for at least 24 h.
- Applicator temperature cannot be lower than can temperature.

Application

- Put on protective gloves.
- Vigorously shake the can (10-20 seconds, the valve facing down) to thoroughly mix the components.
- Screw the can onto the applicator.
- Working position of the can is “valve facing down”.
- Apply the adhesive along the surface forming bead with required diameter 0,78 - 1,18 in (2-3 cm).
- Adjust application speed by controlling gun’s trigger in order to maintain required bead diameter. Keep the gun in the already applied adhesive mass – abt. 0,39 in (1 cm) above the surface.
- General application instructions: apply adhesive onto the substrate, with bead diameter of 0,78 - 1,18 in (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 ≥ 5 % of the bonding surface. In case of bonding small decorative elements, the adhesive should cover ≥ 50% of bonding surface. Recommended joint thickness is ≤ 0,39 in (10 mm). It is necessary to level the surface when unevenness exceeds 0,39 in (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 recommend 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 ≥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, 1,96 in (5cm) from the edges.
- Roofing repairs and installation of thermal insulation: apply adhesive bead around the circuit 1,96 in (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 1,96 in (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

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1,96 in (5 cm) from the edges, in the middle of AAC block. The substrate of first layer must be regular and even

Post-application work

- Should application be interrupted for more than 5 minutes, the applicator nozzle with fresh foam should be cleaned with polyurethane foam cleaner and the can should be shaken prior to application.
- In case of screwing the applicator off the can, the valve should also be cleaned with the cleaner.

Restrictions / notes

- 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.

ADDITIONAL INFORMATION

All given parameters are based on tests and laboratory tests in accordance with the manufacturer's internal standards and strongly depend on the conditions of foam curing (temperature of the can, environment, substrate, quality of the equipment used and the skills of the person applying the foam). For gaps greater than 0,78 in (2 cm), the parameter values may differ from those declared in the technical data table.

TRANSPORT / STORAGE

The foam 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 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).

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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

CATALOG DATA

Nominal capacity / volume / size	Color	Pieces per pack	Index	EAN code
24 oz	N/A	12	10038218	8820435009719

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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