TYTAN PROFESSIONAL 60 Seconds Fast PU Foam Adhesive ERGO 750 ml

10040748, 10040749, 10040593, 10040657, 10041357, 10038665, 10040753, 10040617

Professional PU Fast and Universal FOAM Adhesive with various broad areas of application: gypsum board and OSB for wall and floor installation, styrofoam insulation products similar to mineral wool, internal partition walls made of different materials like silk, ceramic, or aerated concrete. May be used for decorative elements and windowsills. Product features a fast and strong initial high tack thanks to TYTACK Technology, which ensures bonding within 60 seconds of application and very low post-expansion.

MKP_HEADER_GREY_BENEFITS

- high adhesion to building materials surface
- wide application temperature range
- high effectivity of preapration
- high effectivity of application
- high thermal bridges elimination
- clean technology
- low adhesive pressure

MKP_HEADER_GREY_APPLICATION

- multipurpose construction adhesive with high adhesion to many materials and substrates

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MKP_HEADER_GREY_TECHNICAL INFORMATION

Parametr (+23°C/50% RH)	Value
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
Capacity [m] (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)	27
Warunki aplikacji	**Value**
Can / applicator temperature (optimal +20°C) [°C]	+5 - +35
Ambient / surface temperature [°C]	+0 - +35
Przyczepność	**Value**
Tensile strength perpendicular to OSB (1,5 mm gap) [kPa]	≥90
Tensile strength perpendicular to concrete (≤1 mm gap) [kPa]	≥400
Tensile strength perpendicular to ceramic blocks (≤1 mm gap) [kPa]	≥160
Tensile strength perpendicular to sand-lime blocks (≤1 mm gap) [kPa]	≥440
Tensile strength perpendicular to the coated metal sheet (1,5 mm gap) [kPa]	≥ 145
Tensile strength perpendicular to PVC (1,5 mm gap) [kPa]	≥ 160
Tensile strength perpendicular to wood (1,5 mm gap) [kPa]	≥540
Tensile strength perpendicular to glass (1,5 mm gap) [kPa]	≥ 130

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MKP_HEADER_GREY_DIRECTION FOR USE

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

MKP_header_Surface Preparation

- PU adhesive shows very good adhesion to typical masonry elements such as: cellular concrete, ceramic hollow bricks, brick, concrete, foamed polystyrene, wood, OSB, gypsum cardboard board, mineral wool, aluminium, 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.

MKP_header_Product

- Too cold can should be brought to room temperature, e.g. by immersion in warm water with temperature up to 30°C or leaving it in room temperature for at least 24 h.

MKP_header_Application

- Put on protective gloves.
- Vigorously shake the can (10-20 seconds, the valve facing down) to thoroughly mix the components.
- Bend the applicator lever and lock it on the guide.
- 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 2-3 cm.
- Adjust application speed by controlling straw trigger in order to maintain required bead diameter. Keep the straw in the already applied adhesive mass – abt. 1 cm above the surface.
- Should application be interrupted for more than 5 minutes, bend the straw and plug it’s end tight on the pin.
- General application instructions: 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 ≥ 5 % of the bonding surface. In case of bonding small decorative elements, the adhesive should cover ≥ 50% of bonding surface. Recommended joint thickness is ≤ 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 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

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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, 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.

MKP_header_Works after completion of application

- Should application be interrupted for more than 5 minutes, the applicator nozzle with fresh adhesive should be cleaned with polyurethane foam cleaner and the can should be shaken prior to application.
- After completion of work, bend the straw twice and plug it's end tight on the pin. Following the instruction and proper storage might allow for foam reusability up to 60 days.

MKP_header_Restriction And Comments

- 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.

MKP_HEADER_GREY_RESTRICTION AND COMMENTS

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 2 cm, the parameter values may differ from those declared in the technical data table.

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MKP_HEADER_GREY_TRANSPORT-STORAGE

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).

transport temperature	transport period
< -20°C	4
-19°C ÷ -10°C	7
-9°C ÷ -0°C	10

MKP_HEADER_GREY_SAFETY AND HEALTH PRECAUTIONS

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