

# QUILOSA PROFESSIONAL ORBAFOAM 60 Seconds Fast Universal GUN Foam Adhesive

The first adhesive for immediate grip foam bonding. This new TYTACK technology revolutionises traditional fixing systems, with fast and strong initial adhesion. It guarantees adhesion in the first 60 seconds after application, with very low subsequent expansion. Its use is ideal for fixing all types of panels, decorative elements, repairs and insulation, window sills, steps and skirting boards, calibrated blocks, as well as the assembly of door frames, skirting boards, tiles, stone, rubber, metal, plastics (except PE, PP and PTFE).



## 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

## RECOMMENDED USES

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

## NORMS / ATESTS / CERTIFICATES

### Additional information

- Meets requirements of the French label A+

## TECHNICAL DATA

Parameter (+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 (EN 13501-1:2008)	F
Flammability class (DIN 4102)	B2
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)	38
Fire resistance (PN-EN 13501-2:2016)	EI90
Colour	Value
Yellow	+
Conditions of application	Value
Can / applicator temperature (optimal +20°C) [°C]	+5 - +35
Ambient / surface temperature [°C]	0 - +35

## METHOD OF USE

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

### Surface 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

- 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.
- 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 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.
- 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  $\geq 5\%$  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 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  $\geq 5\%$  of the bonded surface.

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- 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.

## 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. To do so, place the plastic tube supplied with the dispensing gun packaging on the dispensing gun outlet to avoid the formation of mist containing the cleaner and applicator residue during cleaning. Then screw the can with the cleaner onto the dispensing gun and press the trigger until clear liquid flows out of the gun. The can should be shaken prior to application.
- If the adhesive is not fully used up, after completion of work the applicator and valve should be cleaned with polyurethane foam cleaner. To do so, place the plastic tube supplied with the dispensing gun packaging on the dispensing gun outlet to avoid the formation of mist containing the cleaner and applicator residue during cleaning. Then screw the can with the cleaner onto the dispensing gun and press the trigger until clear liquid flows out of the gun.

## Remarks / restriction

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

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

## CATALOGUE DATA

Nominal capacity / volume / size	Colour	Number of pieces per collective package	Index	EAN Code
750 ml	N/A	12	10041171	8411729191177
750 ml	N/A	12	10050900	8411729006143
750 ml	N/A	12	10040750	8411729179540

## SAFETY AND HEALTH PRECAUTIONS

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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