

## Polyurethane Foams

# MULTIUSO

**Multi-purpose polyurethane foam.**



- Up to 50 l yield
- For acoustic and thermal insulation
- Waterproof



### APPLICATION AREAS

- Plug gaps between pipes and walls
- Fill all types of holes
- Plug cellular cement walls/ceilings
- Isolate pipes
- Sound-proof motor vehicles
- Seal windows to walls
- Secure window and door frames

### FEATURES

Multiuso is a singlecomponent polyurethane foam in an aerosol. The hardened foam may be cut, holed, sanded, painted and plastered. It adheres firmly to wood, concrete, brickwork, fibre cement, metal, glass and plastic with the exception of polyethylene, Teflon and silicone. The uniform, mainly closed cell structure, dimensional stability and mechanical properties of the cured foam make Multiuso the ideal product for sealing and plugging, filling, gluing, securing, insulating and sound-proofing.

### WARNINGS

Foam yield is strongly dependent on can and substrate temperatures. At low temperatures, both the discharge pressure of fresh material from the valve and the yield of hardened foam are greatly reduced, and the post-expansion rate is increased. To achieve good yield, we recommend storing the can at a temperature of approximately +20 °C. At higher temperatures it may be difficult to dispense the product correctly, as the increased pressure inside the cylinder makes it less easy to control the release of material from the valve.

Substrates and objects completely water-saturated prevent adhesion of the foam.

The Multiuso can is a pressurized container. Protect from sunlight and do not expose it to temperatures above 50 °C. Do not puncture or burn, even after use. Do not spray over an open flame or on an incandescent element. Keep away from all sources of combustion. No smoking. Keep out of the reach of children. This product contains flammable components, so only use it in well-ventilated areas. There is the risk that explosive vapour/air mixtures may form, especially if more than one canister is used in the same location. Contains diphenylmethane-4,4'-diisocyanate (EEC no. 615-005-00-9). Extremely flammable. Harmful by inhalation. Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing and gloves. In case of insufficient ventilation wear suitable respiratory equipment. In case of accident or if you feel unwell seek medical advice immediately (show the canister where possible).

## INSTRUCTIONS FOR USE

1. Substrates must be sufficiently stable, clean, free of oil and grease, paint film residue, loose material, dust and dirt in general. They must also be adequately cured and free of significant shrinkage. Moisten, if necessary, before application to ensure that the fresh foam has the necessary humidity to form a uniform cell structure.
2. Remove the protection cap from the can and screw it onto the appropriate gun (type T2000 from Torggler S.r.l.) or, in the case of the manual version, after removing the cap from the can, screw the nozzle supplied onto the valve.
3. Shake the can for at least 15 seconds before use. Repeat this operation after each working break.
4. Turn the aerosol can upside-down so that the valve is facing down, point the dispenser tube/gun as required and press it with your fingers. The amount of foam required to fill the cavity depends on the post expansion of the foam.
5. Complete hardening of the foam is reached about one hour after application. After curing any surplus can be trimmed away with a knife or sanded with sandpaper.
6. If the contents of the aerosol are not used completely, turn the aerosol the right way up and press the dispenser/gun for a few seconds. The gas jet produced will clear the valve, dispenser, extension nozzle or gun.

## Cleaning

Traces of uncured foam e.g. on clothes, windows etc. can be removed using Cleaner for PU Foam. Cured foam must be removed mechanically (e.g. scraped off).

## TECHNICAL SPECIFICATIONS

External temperature during application	+10 °C to +40 °C
Operating temperature	-40 °C to +120 °C
Skin-over time (at 23 °C and 50% RH) (as per MIT 87*)	5 – 8 minutes
Curing time (curb with 20 mm diameter at 23°C and 50% RH) (as per MIT R/08*)	approx. 60 minutes
Density (after non-free foaming) (as per MIT 50*)	18 – 23 kg/m <sup>3</sup>
Linear dimensional variation (23 °C – 50% RH) (as per MIT 52*)	< 3%
Water resistance	excellent
Detergent resistance	excellent
Chemical agent resistance	good
UV ray resistance	poor

Micro-organism resistance	excellent
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\* Torggler Internal Methods (MIT) are available on request.

Application	Gun application, Manual application
Packaging	can
Packaging size	12x750 ml
Pallet	42 cardboards
Color	Natural yellow

## CONSUMPTION

Free expansion: up to 50 litres.

Extrusion in the joint: up to 18 linear meters (joint 3x3 cm).

The values indicated refer to laboratory conditions and they can vary significantly depending on the application and ambient conditions.

## STORAGE

Store cool in an upright position. Avoid storage in a horizontal position, as this will quickly lead to the formation of fouling under the valve, which will irreparably impair the extrusion of the foam.

Multiuso is stable for at least 12 months if stored upright, cool (below 25 °C), in a dry place and in the original unopened packaging. Check the expiry date on the can.

The information contained in this document is reported on the basis of our experience and knowledge; therefore, any recommendations and suggestions made are without any guarantee and must be verified before using the product by those who intend to use it, who assume all responsibility that may result from its use since the conditions of use are not under our direct control. In case of doubt, it is always advisable to make preliminary tests and/or ask for the intervention of our technicians. Torggler reserves the right to modify, replace and/or delete the items, as well as to change the product data in this document without prior notice; in this case the indications given here may no longer be valid. Always refer to the latest version of the data sheet, available at [www.torggler.com](http://www.torggler.com). Version 15.02.2021.