TECHNICAL DATASHEET PU FOAM DOPURMO

Product description
Dosteba PU foam DoPurMo is a ready-to-use, single-component, self-expanding polyurethane adhesive that cures in combination with moisture.

Scope of application
For bonding of Dosteba elements and other components.
Quick, clean, efficient and secure bonding that holds in the long term.

Characteristics
- High initial adhesion – even at low temperatures
- Flexible and does not become brittle
- Free of solvents
- Consistency, firm adhesive foam (does not sink)

Technical data

Packaging:	Bottle
Volume:	800 ml
Color:	orange
Temperature resistance:	-40 °C to +90 °C
Fully load bearing:	approx. 12 hours – 30 mm bead of adhesive (at 23 °C / 50% r.L.)
Tack-free surface:	approx. 8 minutes – 30 mm bead of adhesive (at 23 °C / 50% r.L.)
Heat conductivity (λ):	0.035 W/m*K
Construction material class (DIN 4102 Part 1):	B 1 (flame-retardant)
Tensile strength (DIN EN 1607):	0.19 N/mm^2
Shear strength (DIN EN 12090):	0.142 N/mm^2
Shear modulus (DIN EN 12090):	0.489 N/mm^2

Application conditions:
Can be applied from a can temperature of +5 °C and an ambient temperature of -5 °C

Transport / Storage

Long shelf life:	12 months from production date in unopened packaging
Position:	Vertical, valve pointing upwards
Temperature:	+5 °C to 25 °C

Do not store PU foam cans at temperatures exceeding +50°C or near naked flames. Storing the product in a different position to the recommended one may lead to the valve becoming blocked. Do not forcefully open or damage the can even when it is completely empty. Do not store foam cans in car interiors. Cans may only be transported in the boot.
Please refer to the safety data sheet (SDS) for more details on transporting cans.

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Application

Always read the safety information at the end of the technical data sheet and safety data sheet before applying the adhesive.

1. Preparing the substrate

- Clean and degrease the work surfaces.
- Clear the substrate of any ice, frost and snow.
- Take any necessary measures to prevent the PU foam from getting onto other surfaces.

2. Preparing the product

- If they are too cold, cans should be brought to room temperature, e.g. by submerging them in warm water (at a temperature of up to 30 °C) or leaving them for at least 24 hours to reach room temperature.
- The applicator should not have a lower temperature than the can.

3. Application

- Wear protective gloves.
- Shake the can well (for 10 – 20 seconds with the valve pointing downwards) to ensure the components are mixed.
- Screw the can onto the applicator.
- The can valve should be pointing downwards for application.
- The amount of adhesive discharged and the speed of application can be regulated by means of the applicator trigger.

4. After application

- If application is paused for longer than five minutes, the fresh foam should be cleaned off the applicator nozzle using PU foam cleaner. Shake the can well again before use.

5. Notes/restrictions

- The adhesive yield and the adjustment time depend on the air temperature and humidity. High temperatures shorten the adjustment time, while low temperatures lengthen it.
- Opened containers can be used for up to one week.
- The product will not adhere to polyethylene, polypropylene, polyamide, silicone or Teflon.
- Remove fresh adhesive with PU foam cleaner.
- Cured PU adhesive can be removed mechanically (e.g. with a knife).
- The quality and technical condition of the applicator will affect the parameters of the final product.
- PU adhesive should not be used in poorly ventilated rooms or those without a fresh air supply.
- Do not heat the can above 50 °C.
- It is advisable to first conduct a compatibility test on the substrate.

Special instructions

The labelling of the product in accordance with Regulation (EC) No. 1272/2008 (CLP) can be found in the safety data sheet.
Further instructions are available on the latest safety data sheet.
The information on our technical data sheets is based on our experience and current state of knowledge. It is your responsibility to test the suitability of our products for your intended use. Dosteba AG and Dosteba GmbH disclaims all liability for consequential damages.

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