

Technical Data Sheet

ZM-13W

One-component polyurethane adhesive.

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1. Purpose

ZM-13W adhesive is designed to bond together elements made of flexible foams and fibrous materials.

2. Physico-chemical specification

State of aggregation	liquid
Colour	brown
Viscosity at 25°C [mPas]	max. 500
Density at 20°C [g/cm ³]	1.15-1.25

3. Technological properties*

ZM-13W polyurethane adhesive hardens by reaction with moisture contained in air and glued materials. The joint slightly foams in the course of bonding. The adhesive hardening times get shorter together with temperature increase and also with air and glued materials humidity increase. After bonding the adhesive makes flexible joint resistive to temperatures in the range of -40°C to +80°C.

4. Application method

The adhesive can be applied by spray or with brush. Spread adhesive should be bedewed with water mist for uniform hardening on the whole glued surface. Both glued elements should be tightened together after adhesive and water mist applying and kept under load until the joint hardens.

The adhesive consumption value is 80 – 300 g /cm² and it depends on glued materials texture. The time for glued elements assembly and pressing is 10 minutes; the joint requires 2 hours for hardening. After bedewing with water mist open time gets shorter to 5 minutes and hardening time gets shorter to 1 hour.

5. Processing conditions

Glued surfaces should be free of dirt and degreased, if necessary.

Application temperature range	+5°C to +40°C
Optimum humidity	50 – 80 %
The adhesive consumption	0.08 – 0.3 kg/m ²
Time for full strength of the joint achieving	24 h
Storage temperature recommended	+15°C to +25°C

The adhesive should be stored in tightly closed containers. One should open the container, take necessary volume of the adhesive and close it tightly again.

Expiration date for use:

- metallic containers (drums, hobboscks, cans)	12 months
- barrels, canisters and bottles made of plastics	12 months
- IBC containers	6 months

6. Application safety

ZM-13W is harmful substance. Read carefully Safety Data Sheet of the product before use. Wear standard protective clothing when operating with the adhesive. Wash off fresh contaminations with Pursan ACT solvent. Hardened adhesive can be removed mechanically.

*Notes

Data presented in this information have been obtained in model conditions. The results obtained when operating in other conditions can be slightly different from published.

Every time the user is obliged to check the product and auxiliary agents usefulness for his intentional use.