

## Technical Data Sheet

### SW ONE-COMPONENT ADHESIVE

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One-component solventless polyurethane adhesive

#### 1. Purpose

SW is an adhesive used as binding agent for rubber granulate for sports surfaces and playground making.

#### 2. Physical-chemical properties

State of aggregation	liquid
Colour	light brown
Viscosity at 25°C [mPas]	3000-5000
Density at 20°C [g/cm <sup>3</sup> ]	1.05-1.07

#### 3. Technological features\*

SW polyurethane adhesive hardens by reaction with moisture contained in air. The adhesive hardening times get shorter and shorter together with temperature increase and with air and glued materials moisture increase. The adhesive forms flexible joint after bonding, resistant to temperatures from -40 to +80 °C.

#### 4. Way of use

The surfaces must be done in the place of destination. Granulates (SBR, EPDM) should be mixed with adhesive in mixing device, for the time needed to surround every rubber crumb of appropriate amount of adhesive. The installation of the surfaces should be done at temperature 5-25°C under no precipitation

Tab. The adhesive technological times in room conditions (23 °C, 50 % relative humidity):

Potlife of rubber granulate-adhesive mix	2 hour
Mix hardening time:	24 hours

The detailed data concerning the mixing ratios of the components and the technology of production are included in *Instruction of use the adhesive for synthetic surfaces S and SW*.

#### 5. Processing conditions

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

Processing temperature range:	+5 to +40 °C
Optimal humidity:	50 – 70 %
The adhesive consumption:	0,1-0,20 kg/kg of mix
Time necessary to achieve full strength of the joint	72 h
Utility time:	
metal containers (drums, cans and the like)	12 months
drums, canisters and bottles made of plastics	12 months
IBC containers	6 months.

One should store the adhesive in tightly closed containers at 15 – 30 °C. After the container opening the adhesive volume necessary should be picked up and the container tightly reclosed.

#### 6. Application safety

SW 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 contained in the sheet have been collected in model conditions. The results obtained in other conditions can be slightly different from data published.

**Every time the user is obliged to check usefulness of the product and auxiliary agents to his specific task.**

**The user is obligated to have a valid safety data sheet of the product, which is provided by the manufacturer during the sale and every time on the customer's request.**

**Prior to processing the user must carefully read aforementioned documentation and follow the rules of procedure for product use.**