

## Technical Data Sheet

### S ONE-COMPONENT ADHESIVE

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One-component, solventless polyurethane adhesive

#### 1. Purpose

S is an adhesive used as binding agent for mineral aggregate and rubber granulate for substructure for sports pavement making.

#### 2. Physical-chemical properties

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

#### 3. Technological features\*

S 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. 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:	0,05-0,10 kg/kg of mix
Time necessary to achieve full strength of the joint	24 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.

#### 5. Way of use

S is an adhesive used as binding agent for mineral aggregate and rubber granulate for substructure for sports pavement making.

At substructure for sports pavement production one should mix the adhesive, mineral aggregate and rubber granulate in mixing device, and then spread the mix on the surface coated. One can sprinkle the deposited pavement with water to accelerate hardening.

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

Open time:	1 hour
Joint hardening time:	24 hours

Tab. Consumption of particular components of substructure in depends on thickness (in kg/m<sup>2</sup>)

Thickness of substructure	Mineral aggregate 3-8 mm	SBR rubber granulate 2-5 mm	S
25 mm	18,0 ± 10%	9,0 ± 10%	2,0 ± 10%
30 mm	22,0 ± 10%	11,0 ± 10%	2,5 ± 10%
35 mm	25,0 ± 10%	12,5 ± 10%	3,0 ± 10%

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*.

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### 6. Application safety

S 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 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 the product and auxiliary agents usefulness for his intentional use.**

**The user is obligated to have a valid technical data sheet and 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.**

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