

:: FLEXOVOSS K6S A+B

Description:

Is a 2-component solvent-free PU casting compound with a tough-elastic property. Good electrical insulation and perfectly waterproof. Can be painted and glued with traditional products. Is self-levelling.

K6S is temperature resistant up to 120 °C (from 60 °C softening of the material may occur).

Available in 1 kg, 5 kg and 30 kg packs.

Application:

Ideal as an electronics casting resin due to its good flow and insulation properties. Can also be used as an adhesive for e.g. PVC and polystyrene foam, without affecting the surface. Can be used in the food industry. Casting of floors and plinths.

Data on delivery:

	<u>A-Comp.</u>	<u>B-Comp.</u>
Color:	grey	brown
Viscosity:	7000 mPas	approx. 100 mPas
Mass density:	approx. 1,5 gr/cm ³	approx. 1.2 g/cm ³
Shelf life:	6 months in closed packaging	6 months in closed packaging
Consistency:	liquid	liquid

Technical data:

	A+B
Viscosity:	2550 mPa's
Consumption:	0,5 tot 1,5kg/m ² according to the application
Shore:	A 95 D 50
Tensile strength:	7,0 N/mm ²
Elongation to failure:	7,1 %
Water absorption (DIN 53471):	0,48 %

Application:

Always make sure that the surface is as dry and grease-free as possible and, in the case of porous substrates, apply a layer of primer G4 first. Let it dry for at least 4 hours and a maximum of 8 hours. Mix the individual components well before use. Then mix K6S and hardener in a 4/1 ratio by weight. Potlife: approx. 40 min. at 20°C. Cured after 12 hours and fully hardened after 1 week. By means of 0.15% PUR accelerator, potlife is reduced to 15-20 min. at 20°C. Processing temp. : 0-30°C. Can be poured and distributed with a toothed spatula, brush or roller (self-levelling).

Attention: The larger the quantity you finish, the shorter the processing time.

Avoid mixing in air, use our special screw mixer.

Caution: too much humidity can cause air bubbles to form on the surface.

Safety:

Always provide appropriate protective clothing and gloves. Avoid prolonged skin contact. The use of a carbon filter mask type A2 is recommended.

Cleaning agent for tools: cleaner M (environmentally friendly substitute for acetone)

Electrical tests of Flexovoss

<u>Properties</u>	<u>Test Requirement</u>	<u>Dimension</u>	<u>K6S</u>
Dielectric loss factor	50HZ VDE 0303/T4	-	0.065
Dielectric loss factor 1000HZ	VDE 0303/T4	-	0.030
Dielectric constant	50HZ VDE 0303/T4	-	4.7
Specific Breakdown Resistance	VDE 0303/T3	'Ω.cm	1x10 ¹⁴
Breakthrough resistance	VDE 0303/T2	KV/mm	21
Surface resistance	VDE 0303/T3	'Ω	4x10 ¹³
Low	VDE 0303/T1	-	KC 600, CTI 600-01
Thermal conductivity	VDE 0303/T1	W/K.m	0.361
Measuring temperature	23°C		
Measuring temperature	15°C		

These tests are more than 10 years old and there have been slight changes in the composition of the product.