

High Performance

TECHNICAL DATA SHEET

Super Glue Black 500

WIKO Super Glue High-Performance is developed for special application and used for operations where universal superglue does not provide an optimal result. WIKO Super Glue High Performance is very resistant to moisture and does not soak through paper or cardboard.

Trading units	Item no.:
10g bottle	SGB500.F10
20g bottle	SGB500.F20
50g bottle	SGB500.F50
500g bottle	SGB500.F500



Liquid Properties

Chemical base:	Ethyl cyanoacrylate monomer
Appearance:	Black liquid
Flash point:	> 81°C
Density:	1.05 g/cm ³ - 1.10 g/cm ³
Viscosity: (Brookfield) at 25°C:	450 – 650 mPa-s

Polymeric Properties

Colour:	black
Softening point:	130°C
Hardness (Rockwell):	M58
Full cure time:	24 hours
Solubility:	DMF, acetone, acetonitrile

Temperature Range

Temperature range:	- 40°C up to +125°C
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Super Glue Black 500**Cure Speed**

EPDM:	15 seconds
Neoprene:	15 seconds
Nitrile rubber:	15 seconds
Balsa wood:	20 seconds
Polycarbonate:	30 - 40 seconds
Steel:	30 - 40 seconds

Shear Strength

Steel:	> 15 N/mm ²
Aluminium:	> 10 N/mm ²
Nitrile rubber:	> 10 N/mm ²
Polycarbonate:	> 6 N/mm ²

Tensile Strength

EPDM:	> 2.5 N/mm ²
Neoprene:	> 5 N/mm ²
Nitrile rubber:	> 5 N/mm ²
Steel:	> 18 N/mm ²

Storage

The product has a storage life of at least 6 months if stored at ideal conditions (dark and dry) and a temperature of +10°C to +22°C. The product should be protected from direct sunlight or heat radiation and humidity.

Before the application, the unopened product should reach room temperature in order to optimise the adhesive strength and to protect the product against intruding air humidity.