# **CA Adhesives**

**High Performance** 

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
10g bottle
20g bottle
50g bottle
500g bottle

Item no.: SGB500.F10 SGB500.F20 SGB500.F50 SGB500.F500

## Liquid Properties

Chemical base:	Ethyl cyanoacrylate monomer
Appearance:	Black liquid
Flash point:	>81°C
Density:	1.05 g/cm <sup>³</sup> - 1.10 g/cm <sup>³</sup>
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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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/mm²
Aluminium:	> 10 N/mm²
Nitrile rubber:	> 10 N/mm²
Polycarbonate:	> 6 N/mm²

#### **Tensile Strength**

> 2.5 N/mm²
> 5 N/mm²
> 5 N/mm²
> 18 N/mm²

### 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 optimise the adhesive strength and to protect the product against intruding air humidity.

The information contained in this data sheet, especially the suggestions for processing and application of products, is based on our experience and newest expertise. Due to the facts that materials can be very diverse and that we have no influence on the working conditions, we recommend to perform sufficient tests to validate the compatibility of the products. Our company shall neither be held liable for this information nor for a verbal or written consultation. Additionally, please consider the information of our safety data sheets.

