

TECHNICAL DATA SHEET

0893 092

Klebfix FLEX

Tough and flexible black cyanoacrylate with excellent thermal stability.

Fields of application:

For bonding metal, plastic and rubber parts with and to each other.

Properties:

- Patented special cap
- Bonds in seconds
- High degree of impact and peel resistance
- Increased moisture resistance
- Solvent-free

Surfaces:

Metal, plastic and rubber.

Application:

The parts to be adhered must be clean, free from grease and dry.

For elastomers (rigid, but elastically deformable plastics), only fresh cuts should be bonded if possible; any talc layers are to be removed beforehand.

Apply a thin, even layer of adhesive to just one of the surfaces to be adhered.

Apply sufficient pressure to make the connection immediately, in order to ensure complete contact.

Use the activator (item no.: 0893 301 20) to speed up the reaction of Würth cyanoacrylate adhesives. This can usually be used on all kinds of substrates, but please test it beforehand on a concealed section for compatibility.

Technical data:

Chemical basis	Cyanoacrylate acid ethyl ester
Colour	Black
Processing temperature	+5 °C – +35 °C
Temperature resistance	-55 °C to +120 °C

TECHNICAL DATA SHEET

Density	1.06 g/cm ³
Viscosity	80–180 mPa·s
Shore D hardness (DIN 53505)	65–75
Max. bonding gap	0.15 mm
Elongation at break	< 8%
Resistant to	Alcohols from C ₂ , non-polar solvents, water (pH 4-9)
Not resistant to	Acetonitrile, ketones (e.g. acetone), esters, nitromethane and alkalis
Shelf life	12 months at room temperature

Material	Typical bonding times (sec.)	Typical tensile shear strength values (N/mm ²)
Steel	90–120	>25
Aluminium	40–60	>16
PA	45–90	15–20
PVC	45–90	15–20*
Polycarbonate	60–100	4–6*
POM	60–90	1–2
EPDM	10–30	>10*
Neoprene	10–30	>10*

*Material breakage

Notes:

It is advisable to wear safety gloves and safety glasses.

If surfaces are too dry or acidic, this will delay or prevent hardening, while higher levels of moisture and alkaline surfaces will have an accelerating effect.

TECHNICAL DATA SHEET

We provide this advice based on our own tests and experience and to the best of our knowledge. However, due to the large number of applications and the storage and handling conditions that lie outside the scope of our influence, we assume no liability for the application results in individual cases.

This also applies to the use of the non-binding technical and commercial customer services provided by us. We always recommend that you conduct your own tests. We guarantee the consistent quality of our products. We reserve the right to make technical changes and to further develop our products.