TECHNICAL DATA SHEET

Product name: cyanoacrylate adhesive with filler APP Powder Glue. APP No.: 040519.

Two-component repair system: fast-acting cyanoacrylate adhesive with a powder filler. Used for filling gaps, reinforcing, bonding and repairs. Cures rock-hard in 7–10 seconds, providing a high-strength bond.

Packaging.	Blister pack: 1 x 10 ml cyanoacrylate adhesive, 1 x 10 ml black filler powder – plastic bottles.
Product and components.	• APP Powder Glue adhesive – 10 ml, • APP Powder filler powder, black – 10 ml.
Main components.	• Adhesive: cyanoacrylate, • Powder: inorganic filler.
Colour.	• Adhesive: colourless, transparent, • Powder: black.
Consistency.	• Adhesive: thin, low-viscosity liquid, • Powder: free-flowing powder.
Density.	• Adhesive: 1.041 g/cm³, • Powder: 3.081 g/cm³.
Adhesive viscosity.	2.4 mPa·s.
Powder particle size.	• mean particle size: 222 µm, • D50: 232 µm, • D97: 462 µm.
Powder melting point.	> 1300 °C.
Tensile shear strength (powder + adhesive).	• stainless steel: 21.5 MPa • plastic: 19.3 MPa • ceramics: 18.4 MPa • rubber: 17.2 MPa • wood: 15.3 MPa
Hardness after curing.	74 HB (Brinell hardness).
Temperature resistance.	No change at high and low temperatures (tested on 304 stainless steel).

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Applications

- Filling gaps, cracks and holes.
- Reinforcing and rebuilding damaged parts.
- Bonding and repairing metal, glass, ceramics, wood and plastics.

Properties

- Very fast curing – 7–10 seconds.
- High bond strength.
- Versatile and easy to use.

Suitable substrates.

Metal (including stainless steel), glass, ceramics, wood, plastics, rubber.

Surface preparation.

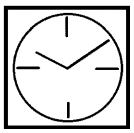
Clean and dry the surfaces to be bonded or repaired.



Application method.

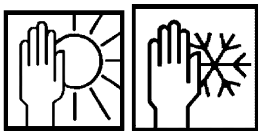
- Apply the powder to the area to be repaired or bonded.
- Then apply the adhesive onto the powder.
- Leave to cure for 7–10 seconds.

Curing.



Curing starts immediately after the powder has been saturated with adhesive.
Curing time: 6.8 s (manufacturer's test), in practice 7–10 seconds.
Caution!
The mixture becomes very hot during the reaction – do not touch the powder while it is curing.

Storage:



Store in a cool, well-ventilated place, away from sources of heat, sparks and open flames.
Keep containers tightly closed until use.

Health and safety:



Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
In the event of a thermal burn caused by rapid curing, remove the adhesive immediately.
See the text on the product labels or in the safety data sheet of the hazardous product.
The user must comply with the health and safety regulations in force in the country concerned.

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