

- Quick-setting glue for a wide variety of materials
- Up to six times faster when used with the activator
- Lower moisture requirement than other quick-setting glues
- Suitable for porous and non-porous materials
- Maximum temperature 100°C (see "Temperature range")
- Resistant to chemicals

PRODUCT

CA Active is a fast-setting cyanoacrylate glue that forms strong bonds within a few seconds when used with the included activator.

CA Active is suitable for a wide variety of applications. The activator makes CA Active less dependent on the presence of moisture, making it suitable for bonding non-porous materials.

COMPOSITION AND PROPERTIES

Bond shear strength	: 5 N/mm ² depending on substrate
Base	: Cyanoacrylate
Specific weight	: Approx. 1.1 g/cm ³
Viscosity	: Approx. 1,500 mPa·s
Minimum application temperature	: 10°C
Wet colour	: Clear
Dry colour	: Clear
Moisture resistance	: Moisture resistant (short-term)
Curing time	: 24 h
Flash point	: >85°C
Number of components	2

Activator

Wet colour	: Clear
Dry colour	: Clear
Specific weight	: Approx. 1.1 g/cm ³
Open time	: Approx. 1 h

Bonding times without activator	5-60 s
Metal to metal	<60 s
ABS to ABS	<20 s
Rubber to rubber	<15 s
Balsa wood	<3 s
Bonding times with activator*	10 s max.
Metal to metal	<10 s
ABS to ABS	<10 s
Rubber to rubber	<3 s
Balsa wood	<1 s

* The stated times are typical and are strongly dependent on the materials, joint fit, material temperature and ambient temperature, among other factors.

NOTE

The above values were determined at 20°C and 65% RH with a wood moisture content of 10%. Other conditions may lead to different values.

USE

CA Active is suitable for bonding plastics, rubbers, wood, paper, cardboard, leather, metals and many other materials. Due to its adhesion characteristics, CA Active is not suitable for bonding polypropylene, polyethylene and Teflon. Caution: The activator may attack paint coatings and plastics. Test first on a concealed place.

APPLICATION

The parts to be bonded must be clean, dry and free from oil and grease. Spray the activator on one or both surfaces (from a distance of about 15 cm) and allow it to evaporate until dry. Apply the glue to one surface, join the pieces together and hold them firmly pressed for the stated bonding time (see chart). The specified bonding times apply to closely fitting joints.

Caution: The positioning of the parts cannot be adjusted after they are joined. Joints with localised poorer fit (up to a maximum of 0.2 mm gap) always have a longer bonding time.

Immediately after use, clean the tip of the vial thoroughly with a cloth and replace the cap.

Remove excess glue immediately with a dry cloth. Cured glue is difficult to remove. Acetone dissolves the glue very slowly.

TEMPERATURE RANGE

CA Active can be used at temperatures up to 80°C. At that temperature the bond strength is 70% of the strength at 21°C. At 100°C the bond strength is reduced to half of the original strength.

CHEMICAL AND WATER RESISTANCE

CA Active is highly resistant to chemicals (motor oils, solvents, etc.). Like most other cyanoacrylate glues, CA Active is not resistant to long-term moisture exposure.

ENVIRONMENTAL ASPECTS

Due to the composition of the product, there are restrictions on storage, handling and application. For detailed information, please request a Material Safety Data Sheet (MSDS). Dispose of leftover material and solvents at the local or municipal depot for household chemical waste.

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STORAGE, SHELF LIFE AND TRANSPORT

CA Active has a shelf life of 12 months in the original unopened package when stored in a cool place at a maximum temperature of 5°C (refrigerator or freezer). Do not expose to direct sunlight. Transport at higher temperatures is possible.

EXPIRY DATE ON PACKAGING

A seven-digit code is marked on the packaging. It indicates the expiry date (best before date) as follows:

Example: BB1603001
 16 = 2016 (year);
 03 = March (month);
 001 = internal code

PACKAGING

Packaging	Item number	Package quantity
Vial 50 g & spray can 200 ml	72133	12

