CYANOACRYLATE · CODE 108

Ninja 108

Cyanoacrylate Adhesive

ISSUED May 2018 | REVIEWED June 2026 | PAGE 1

PRODUCT DESCRIPTION

Ninja 108 is a low-medium viscosity Ethyl Cyanoacrylate adhesive. is formulated for high speed, high strength bonding of plastics and rubbers. Ninja 108 gives superior performance on all types of plastic and rubber substrates when bonding to themselves or to other common substrates.

TYPICAL PROPERTIES

- Low viscosity
- Fast Setting
- Long shelf life

PHYSICAL PROPERTIES (UNCURED)

ITEM	VALUE
Chemical Name	Ethyl
Appearance	Clear Liquid
Specific Gravity	1.06
Viscosity cps	2 - 5
Tensile Strength (N/mm²)	20
Fixture Time (secs)	3 - 20
Full Cure (hours)	24
Flash Point (°C)	>85
Shelf Life (months)	12
Max Gap Fill (mm)	0.1
Temperature Range (°C), continuous	-50 to +80

CURING PERFORMANCE

TYPICAL SPEED	
Steel/Steel	<20 seconds
ABS</ABS	<10 seconds
Rubber/Rubber	<5 seconds

CURE SPEED VS SUBSTRATES

The speed of cure of cyanoacrylates varies according to the substrates to be bonded. Acidic surfaces such as paper and leather will have longer cure times than most plastics and rubbers. Some plastics with very low surface energies, such as polyethylene, polypropylene and Teflon® require the use of Primer.

CYANOACRYLATE SPEED VS ENVIRONMENTAL CONDITIONS.

Cyanoacrylate adhesives require surface moisture on the substrates in order to initiate the curing mechanism. The speed of cure is reduced in low humidity conditions. Low temperatures will also reduce cure speed. All figures relating to cure speed are tested at 21°C.

DIRECTION FOR USE

Bond speed is very fast so ensure that parts are properly aligned before bonding. Activators may be required if there are gaps or porous surfaces. Some plastics may require application of Primer. Ensure parts are clean, dry and free from oil and grease. Product is normally hand applied from the bottle. Apply sparingly to one surface and press parts firmly together until handling strength is achieved. As a general rule, as little cyanoacrylate as possible should be used – over application will result in slow cure speed and lower bond strength.

STORAGE

Store in a cool area away from direct sunlight. Refrigeration to 5°C gives optimum storage stability

HANDLING PRECAUTIONS

- Read material safety data sheet (MSDS) before using product.
- May cause eye irritation. Flush with plenty of water for 15 minutes and seek medical assistance immediately.
- Harmful if inhaled or swallowed
- Avoid contact with eyes, skin or clothing
- Wear eye protection and impervious gloves when handling.
- Avoid breathing vapor.
- Keep container closed when not in use.

COMPLIANCE AND QUALITY

RoHS statements and Safety Data Sheets for this product are available on request. Contact the MightyLoc team and we will send the current documents.

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All recommendations for the use of our products are based on the current state of our knowledge. The Buyer remains responsible for satisfying itself that the product is suitable for its intended process or purpose. Since we cannot control the application, use, or processing of the product, we accept no responsibility on that basis. Refer to the current controlled data sheet, or contact us, before production use.