



C-BOND

PLATINUM THIN

DESCRIPTION

C-Bond Platinum Thin is an odor free, low white mist instant adhesive. Can be attached to many materials such as metal, plastic, rubber, and can beautify the appearance of the next part.

PRODUCT CHARACTERISTICS BEFORE CURING

Main Ingredient	Alkoxyethyl cyanoacrylate
Appearance (when not dry)	Clear Liquid
Composition	Single composition - no mixing or heating required
Specific Gravity @ 25°C	1.1
Drying mechanism	Moisture
Flash point	82°C
Application	Bonding
Viscosity, Brookfield@25°C mPa.s (cP)	40~60 (ISO 3104/3105)
Range of working temperature	-40 ~ 130°C (-65~225°F)
Fully cured (hrs)	24
Shelf life	18 months when stored at 5-10°C unopened

*Store in a cool place away from direct sunlight. Refrigeration at 5°C will provide the best storage stability. When stored in the refrigerator, the adhesive should be gradually warmed to room temperature before use. This will prevent moisture from condensing in the bottle when condensed, so as not to shorten the shelf life of the product. Containers should be sealed when not in use. The shelf life is 15 months from the date of manufacture.



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TYPICAL CURING PERFORMANCE

Under normal conditions, the atmospheric moisture initiates the curing process. Although full functional strength is developed in a relatively short time, curing continues for at least 24 hours before full chemical/solvent resistance is developed.

CURE SPEED vs. SUBSTRATE

The rate of cure will depend on the substrate used. The table below shows the fixture time achieved on different materials at 22 °C / 50 % relative humidity. This is defined as the time to develop a shear strength of 0.1 N/mm².

Same Substrate	Curing Time, Seconds
Mild steel	20 to 45
Aluminum A5754	5 to 20
ABS (Acrylonitrile-Butadiene-Styrene)	5 to 10
PVC (polyvinyl chloride)	45 to 75
PC (polycarbonate)	50 to 80

TYPICAL ENVIRONMENTAL RESISTANCE

Cured for 1 week @ 22 °C

Lap Shear Strength, ISO 4587:

Steel (grit blasted):

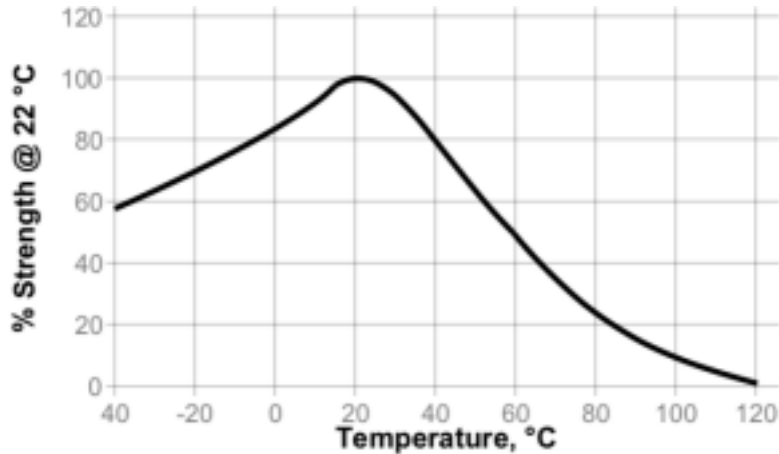


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HEAT STRENGTH

Test at a specific temperature



PRECAUTIONS

This product is not suitable for use in pure oxygen and/or oxygen-enriched environments, and cannot be used as a sealing material for chlorine gas or other strong oxidizing substances.

DIRECTIONS FOR USE

For optimum performance, surfaces should be clean and free of grease. This product is most suitable for occasions with a small bonding thickness (0.05mm).

STORAGE CONDITIONS

Unless otherwise stated, the ideal storage conditions for this product are in a cool, dry place within the temperature range of 8-21°C (46-0°F), in its original packaging. The optimum storage temperature for unopened cyanoacrylate adhesives is 2 to 8°C (36 to 46°F). Products stored in the refrigerator should be brought to room temperature before opening. To avoid contamination of unused glue, do not return any glue back to its original packaging. For more specific shelf life information, please contact CECCORP.

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