



TDS

MXBON[®] 108

Cyanoacrylate Adhesive (All Purpose)

PRODUCT SPECIFICATION

MXBON® 108

Cyanoacrylate Adhesive (All Purpose)

Description:

MXBON® 108 is featured with its best bonding strength and longest shelf life. MXBON® 108 has been specially formulated to achieve the strongest possible bond between well-mated, non-porous surfaces, such as rubber, metals, plastics, glass, etc. MXBON® 108 is a one component, solvent free system and does not require the use of a catalyst, heat or clamps. When a thin layer of MXBON® 108 applied between two surfaces comes into contact with atmospheric moisture, a rapid polymerisation occurs producing the ultimate bond.

Physical Properties:

Liquid State		Cured State	
Base	Ethyl Cyanoacrylate	Colour	Clear
Colour	Clear	Specific Gravity (20°C)	1.1~1.3
Specific Gravity (20°)	1.053~1.060	Working Temp (°C)	-55°C - 80°C
Refraction Index (nD ²⁰)	1.439	Refractive Index (nD ²⁰)	1.490
Flash Point (°C)	>80°C	Dielectric Constant (at 10MHz)	3.5
Shelf Life	12 Months	Dielectric Loss (at 10MHz)	0.067
Boiling Point (°C)	149°C	Soluble in Acetone, Dimethyl formamide, Nitromethane, Dimethyl sulfoxide	
Viscosity (cP)	2-3		

Bond Strength:

(TENSILE STRENGTH, CURED FOR 24 HOURS AT 20-25°)

Substrate	KG/CM ²	Substrate	KG/CM ²
Rigid PVC to Rigid PVC	40-60	SBR to SBR	5-10
ABS to ABS	50-70	Steel to Steel	190-210
Polycarbonate to Polycarbonate	80-120	Stainless Steel to Stainless Steel	160-180
Polystyrene to Polystyrene	30-45	Aluminum to Aluminum	170-190
Natural Rubber to Natural Rubber	5-9	Copper to Copper	150-170
Neoprene to Neoprene	5-9	Steel to Rigid PVC	50-60
NBR to NBR	5-9	Stainless to Neoprene	5-10
ABS to SBR	5-10		

Cure Speed:

Substrate	Seconds	Substrate	Seconds
ABS to ABS	5-10	NBR to NBR	5-10
Wood to Wood	>60	Stainless steel to Stainless steel	10-20
ABS to Stainless steel	5-10	ABS to NBR	4-10
NBR to Stainless steel	15-25	Wood to ABS	50-60

Revision date: 01/2024 - Revision: 07



CartellUK

adhesive experts

PRODUCT SPECIFICATION

MXBON® 108

Cyanoacrylate Adhesive (All Purpose)

Directions For Use:

1. Make sure the surfaces to be bonded are clean and dry (preferable to solvent-wipe plastics, glass, rubber and to acid-treat metals).
2. Dispense a drop or drops to one surface only. Apply only enough to leave a thin film after compression.
3. Press parts together and hold firmly for a few seconds. Good contact is essential. An adequate bond develops in less than one minute. (Maximum strength is achieved in 24 to 48 hours).
4. Wipe off excess adhesive from the top of the container and recap **MXBON® 108** if left uncapped, may deteriorate by contamination from moisture in the air.
5. Because **MXBON® 108** polymerises on contact with moisture surfaces, sometimes whitening will occur on the surface of the container or the bonded materials. Should this happen, wipe surfaces well with debonder.

Handling & Storage

Storage: Keep products in the unopened container in a cool dry location. The product is best when stored at 2 to 8°C. temperatures less than 2°C can adversely affect product properties. Do not freeze. Keep container tightly closed until ready for use.

Handling: Material removed from containers may be contaminated during use. Do not pour back any product to the original Container. Misuse of product will void all warranties.

Precaution

1. Use with proper ventilation. Avoid contact with skin and eyes.
2. If contact with skin occurs, rinse with warm water or dissolve with appropriate debonder. Do not try to remove forcibly.
3. If adhesive gets into your eye, keep eye open and rinse thoroughly. Seek medical attention immediately.
4. Keep well out of reach of children.
5. Keep adhesive in a cool dry place 20-25°C. For long term storage, refrigeration (5°C) is recommended.

Disclaimer:

The data contained herein are furnished for informational purposes only and are believed to be reliable. However, Cartell UK Ltd does not assume responsibility for any results obtained by persons who methods Cartell UK Ltd has no control. It is the responsibility to determine the suitability of Cartell UK's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Cartell UK Ltd's products. Cartell UK Ltd specifically disclaims all warranties express or implied, including warranties of salability and suitability for a particular purpose arising from sale or use of Cartell UK Ltd's products. Cartell UK Ltd further disclaims any liability for consequential or incremental damages of any kind including lost profits.

Revision date: 01/2024 - Revision: 07

