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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

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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.

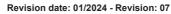
Handling: Material removed from containers may be contaminated during use. Do not pour back any product to the original Container. Misuse of product will void all warranties.

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:

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