



# MXBON®

## PRODUCT SPECIFICATION

**MXBON 909 - May 2008**

**Cyanoacrylate Adhesive**

**Gel**

### DESCRIPTION

**MXBON 909** is a no-running gel type cyanoacrylate that enables application to vertical surfaces. **MXBON 909** has longer setting times than regular cyanoacrylate and it creates enough time for users to putting materials together after application can be used for bonding a wide variety of materials –metals, rubber, plastics, leather, wood, etc.

### PHYSICAL PROPERTIES

Liquid State		Cured State	
Base	Ethyl Cyanoacrylate	Color	Yellowish Clear
Color	clear	Specific Gravity(20°C)	1.17
Specific Gravity(20°C)	1.069	Working Temperature (°C)	-55 °C - 80 °C
Refractive Index ( n <sub>D</sub> <sup>20</sup> )	1.439	Refractive Index( n <sub>D</sub> <sup>20</sup> )	1.48
Flash Point (°C)	>80 °C	Dielectric Constant(at 10MHz)	3.5
Shelf Life	12 Months	Dielectric Loss(at 10MHz)	0.067
Boiling Point(°C)	65/6mm Hg	Soluble in Acetone, Dimethyl formamide, nitromethane, Dimethyl sulfoxide	
Viscosity(cP).....		<b>MXBON 909</b> .....	100,000 -200,000

### DIRECTIONS FOR USE

1. Make sure the surfaces to be bonded are clean and dry(preferable to solvent-wipe plastics glass, and 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 909** if left uncapped, may deteriorate by contamination from moisture in the air.
5. Because **MXBON 909** 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.

## BOND STRENGTH

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

	KG/CM <sup>2</sup>		KG/CM <sup>2</sup>
Rigid PVC to Rigid PVC	50-70	SBR to SBR	5-10
ABS to ABS	50-70	Steel to Steel	200-220
Polycarbonate to Polycarbonate	70-120	Stainless steel to Stainless steel	200-220
Polystyrene to Polystyrene	40-45	Aluminum to Aluminum	170-190
Natural rubber to Natural rubber	5-10	Copper to Copper	150-170
*Neoprene to Neoprene	5-10	Steel to Rigid PVC	40-60
NBR to NBR.....	5-10	Stainless steel to Neoprene	5-10
ABS to SBR.....	5-10		

## CURE SPEED

<b>MXBON 909</b>	<b>Seconds</b>		<b>Seconds</b>
ABS to ABS	50-60	NBR to NBR	5-10
Wood to Wood	>60	Stainless steel to Stainless steel	>60
ABS to Stainless steel	>60	ABS to NBR	25-35
NBR to Stainless steel	>60	Wood to ABS	>60

## PRECAUTION

1. Use with proper ventilation. Avoid contact with skin and eyes.
2. If contact with skin occurs, rinse with warm water or dissolve gradually with appropriate debonder. Do not try to remove forcibly.
3. If adhesive gets into 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 over whose methods Cartell UK Ltd has no control. It is the user's 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: May, 2011

Revision: 0001