

Cartell Chemical Co., Ltd., established in 1994, is a world-class manufacturer of industrial adhesives, sealants, and specialty chemical products.

Its flagship brand MXBON® delivers high-performance, cost-effective, and reliable solutions for design, manufacturing, assembly, and maintenance across the industrial sector.

MXBON® products are widely used in a broad range of industries, including traditional manufacturing, electronics, electrical engineering, medical equipment, railway transportation, shipbuilding, sports equipment, hand tools, pneumatic tools, 3C electronic products, and the automotive industry.

Cartell Chemical Co., Ltd.  
No.18 Cheng Gong Street.  
Min-Shyong Industrial Park,  
Chia-Yi Hsien, (621) Taiwan.  
Tel: +886-5-2203715  
Fax: +886-5-2203720  
E-mail: sales@mxbon.com



Branch/Authorized Dealer Information

Copyright © Cartell Chemical Co., Ltd. 2026.02



# Adhesives Expert

# mxbon®



## STRUCTURAL ADHESIVES



**31319** *Low viscosity, single compound, for metal and glass, fast curing*

Provides rapid bonding performance; cures within 1 minute when used with activator. Ideal for bonding gaps under 0.25 mm. Designed for rigid and flat substrates, delivering excellent adhesion with high resistance to heat distortion and impact. Offers fast and reliable bonding across various types of metals and glass, making it suitable for applications such as rearview mirror bracket attachment and glass ornament assembly.

**31324** *Mid-high viscosity, single compound, anaerobic type, bigger gap bonding*

Durable, impact-resistant, high-strength and chemical-resistance properties. With high strength and fast fixture time. For large gap (0.5~1mm). It is suitable for bonding most metals and ferrites, and can also be used on some plastic materials. Flexible and impact-resistant, offering excellent sealing performance and a certain degree of water resistance.

**31326** *Mid-high viscosity, single compound, anaerobic type, fast curing on metals*

Durable, impact-resistant, high-strength and chemical-resistance properties. With high strength and fast fixture time. For gaps smaller than 0.25mm. Curing time within 2 minutes. Good adhesion on different types of ferrites, such as permanent magnets, transformer cores and other applications.

**31330** *High viscosity, single compound, especially for metal mechanical stress*

Especially for the flat metal surface bonding usage. Using it with activator is required. It can fill the gaps, and provide good vibration and impact resistance after fully cured. For bonding different metal substrates, including metal, ferrite and other motor components, it is a best metal bonding solution with the highest strength requirements.

**31332** *Gel type, single compound, for high temperature usage*

Low fluidity, for vertical surface, it can fill gaps. After curing, it provides excellent vibration and impact resistance. It can be cured by heating it above 130°C. High temperature resistance of 200°C, It is suitable for bonding motor components such as metals or ferrites that come with high working temperatures.



MXBON Acrylic Structural Adhesives are formulated to provide excellent mechanical resistance, including high shear strength, peel resistance and impact resistance, especially for metal bonding applications. MXBON Acrylic Structural Adhesives are single compound with two-steps operation. Pre-applied activator and no need to mix or allocate a specific ratio. Quick fixture time for assembling parts at room temperature, and it provides a highly efficient, reliable and weather-resistant solution.

**Technical Information**

Item No.	Appearance	Suitable Bonding Substrates			Viscosity mPa.s(cP)	Gap Performance Setting Time/Fully Cured	Shear Strength N/mm2	Working Temp. °C	Other Curing Factor	Activator
		Plastic	Glass	Metal						
31319	Amber liquid	◆◆	◆◆		1,500-4,000	0.25mm 5min./24hrs	15-21	-55°C-150°C		017090 017649
31324	Amber liquid	◆	◆	◆◆◆	10,000-24,000	0.5-1mm 5min./24hrs	15-21	-55°C-150°C		037380 037387
31326	Amber liquid		◆	◆◆◆	11,000-25,000	0.25mm 2min./24hrs	≥ 15.2	-55°C-125°C		017090 017649
31330	Slightly cloudy, colorless to pale yellow liquid		◆	◆◆◆	45,000-90,000	0.5mm 5min./24hrs	15-30	-55°C-125°C		037380 037387
31332	Opaque light yellow to dark amber		◆	◆◆◆	75,000-130,000	0.5mm 5min./24hrs	≥ 11	-55°C-200°C	Heat cure 20min.@130°C 10min.@150°C	037380 037387

\*The content and data within this list are based on the respective Technical Data Sheets (TDS) of each product. Before deciding on the adhesive to use, it is recommended to conduct actual tests to ensure product performance.

**Activator Technical Information**

Item No.	Usage	Property	Main Component	On-Part Life	Dry Time
017090	For anaerobic adhesives, anaerobic structural adhesives	Formulated for compatibility with MXBON anaerobic adhesives and sealants. Low odor, non-flammable, and non-toxic formulation. Significantly reduces curing time.	Polyethylene Glycol Dimethacrylate	1 hour	Will not dry
017649	For anaerobic adhesives, anaerobic structural adhesives	Anaerobic Adhesive Activator is suitable for all anaerobic adhesives and shortening the fixture time. We can apply it first or spray it later. Typical applications: inactive or plating metal surfaces.	Acetone Heptane	14 days	≤ 100 sec
037380	For acrylic structural adhesives	Formulated for compatibility with MXBON acrylic structural adhesives. Low odor, non-flammable, and non-toxic formulation. Significantly reduces curing time.	Polyethylene Glycol Dimethacrylate	2 hrs	Will not dry
037387	For acrylic structural adhesives	Structural Adhesive Activator is used in the hardening process of acrylic structural adhesive in order to increasing the curing speed. Apply it on one-side and apply acrylic structural adhesives on the other side, then bond and press them together. For larger gaps (>0.4 mm) or fast curing requirements, it can be applied on both sides.	Heptane 2-Pranolol	2 hrs	≤ 100 sec (Stay wet)