

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.

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MXBON®

Adhesives Expert



LIGHT CURE ADHESIVES



41011 High viscosity, fast curing by UV, for PVC plastics, fluorescent traceability

High viscosity with thixotropic properties for precise dispensing and reduced flow after application. UV rapid curing with visible fluorescence for inspection. Compatible with a wide range of substrates, especially effective for sealing narrow gaps in plastic housings such as PC, PBT, and PA. Flexible and impact-resistant, offering excellent sealing performance and a certain degree of water resistance.

41131 Low viscosity, fast curing by UV, for PVC plastic general purpose

Provides flexible bonds when joining stress-sensitive plastics. Low viscosity for the small tolerance components bonding. Especially suitable for bonding metal to soft/ hard PVC such as disposable medical equipment, and it can also be used on glass and ceramic materials.

41132 Mid viscosity, fast curing by UV, for PVC plastic general purpose

Provides flexible bonds when joining stress-sensitive plastics. Thixotropic and mid-viscosity liquid, avoid overflow after applying and can be used for gaps filling. Especially suitable for bonding metal to soft/ hard PVC and it can also be used on glass and ceramic materials.

41352 High viscosity, multiple curing mechanism structural adhesive, for metal and glass

UV, activator and heat curing mechanism, highly flexible application. For large gaps and provides high vibration and impact resistance after fully curing. It can be used for bonding, sealing and coating metal and glass parts in industrial applications, such as electrical parts/components, appliances or decorative parts.

41430 Mid-high viscosity, fast curing by UV, for PC plastic general purpose

Provides flexible bonds when joining stress-sensitive plastics. Thixotropic, mid-high viscosity liquid, can avoid overflow and can be used on large gap filling. Especially suitable for bonding PC, and can also be used on various types of plastics, metals, glass and ceramic materials.

41431 Low viscosity, fast curing by UV, for stainless steel and plastic bonding

Ideal for precision assemblies with tight tolerances. Provides excellent adhesion on a wide range of substrates including metal, plastic, and glass. Specifically formulated for stainless steel and plastic bonding, especially effective for applications involving small bonding areas.

41433 Gel type, fast curing by UV, for the metals and plastics

Provides flexible bonds when joining stress-sensitive plastics. Thixotropic and gel type, avoid overflow after applying. Can be used on larger gap(0.25mm) filling. Provides great loading capability and impact resistance. Especially for bonding soft/hard PVC and PC plastics, and it can also be used on various types of plastics, metals and glass materials.

MXBON Light Cure Adhesive provides a fast curing solution with excellent bonding strength, which can meet the industrial assembly requirement, such as bonding, fixing, sealing, potting, and encapsulating of metal and plastic materials. Light curing mechanism is convenient for assembly when alignment and positioning are required. MXBON Light Cure Adhesive can be used with the continuous automation dispenser to improve the productivity. The formula of MXBON Light Cure Adhesive won't damage the plastic, and provides excellent impact and weather resistance.



Technical Information

Item No.	Appearance	Activator	Suitable Bonding Substrates			Viscosity mPa.s(cP)	Tack Free Time/ Fixture Time Depth of curing	Shear Strength N/mm2	Hardness	Working Temp. °C	Other Curing Factor
			Plastic	Glass	Metal						
41011	Colorless to transparent yellowish liquid	UV light Visible light	◆◆◆◆	◆	◆	14,000-24,000	20s/5s 13mm@60s	11 (PC)	D 45	-54°C-149°C	
41131	Yellowish liquid	UV light Visible light	◆◆◆◆	◆	◆	200-400	20s/5s 25mm@60s	12 (PC)	D 60	-54°C-149°C	
41132	Colorless transparent yellowish liquid	UV light Visible light	◆◆◆◆	◆◆	◆	3,500-7,500	20s/5s 16mm@60s	11.5 (PC)	D 62	-54°C-149°C	
41352	Transparent amber liquid	UV light		◆◆	◆◆◆◆	14,000-25,000	15s/6s 5mm@60s	16.2 (Steel to Glass)	D 55	-54°C-150°C	Activator 037380 037387 Heat cure 30min.@120°C
41430	Colorless transparent to turbid liquid	UV light Visible light	◆◆◆◆	◆◆	◆	8,000-14,000	20s/5s 16mm@60s	11 (PC)	D 58	-54°C-149°C	
41431	Yellowish liquid	UV light Visible light	◆◆	◆◆	◆◆◆◆	200-400	20s/5s 5mm@60s	12 (PC)	D 60	-54°C-149°C	
41433	White to beige gel	UV light Visible light	◆◆◆◆	◆◆	◆◆	18,000-35,000	20s/5s 30mm@60s	11 (PC to AL)	D 65	-54°C-149°C	

*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.