

北回化學股份有限公司為工業用接著劑、密封劑與特殊化學用品的專業製造商，為工業界提供了設計、製造、組裝與維修上最低成本、最優質可靠的解決方案。產品應用廣泛地橫跨傳統產業、電子產業、電機產業、醫療器材產業、鐵路運輸產業、船舶產業、運動器材產業、手工具與氣動工具、3C電子產品、汽機車等產業。

Cartell Chemical Co., Ltd. was established in 1994, and it is a world-class professional manufacturer of industrial adhesives, sealants, and specialized chemical products. The brand "MXBON" created by the company provides the industrial sector with top-quality and reliable low-cost solutions for design, manufacturing, assembly, and maintenance. The applications of MXBON products span a wide range of industries, including traditional industries, electronics, electrical engineering, medical equipment, railway transportation, shipbuilding, sports equipment, hand tools, pneumatic tools, 3C electronic products, and the automotive industry.

**北回化學股份有限公司**  
Cartell Chemical Co., Ltd.  
嘉義縣民雄工業區成功街18號  
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

更多資訊請掃



分公司/授權經銷商資訊  
Branch/Authorized Dealer Information

※本型錄內容會有因產品改良而有變更的可能性，恕不另行通知。  
Cartell Chemical Co., Ltd. 版權所有，翻印必究！ 2024.07



**mxbon®**



Adhesives Expert

**瞬間膠**  
CYANOACRYLATE ADHESIVES



**乙基**  
**Ethyl Cyanoacrylate**



**21401 低黏度 耐121°C高溫 不活化表面**

*Low viscosity, resistant to 121°C heat, surface insensitive*

透明無色·快速固化  
適用於大部分的材料接著  
特別是黏著不活化表面與低表面能材料  
Transparent and colorless, rapid curing.  
Suitable for adhesion of most materials.  
Especially for bonding to insensitive surfaces and low energy surfaces.

**21406 滲透型 耐121°C高溫 不活化表面**

*Penetration type, resistant to 121°C heat, surface insensitive*

透明無色·快速固化  
適用於組裝後施膠黏接毛細滲透接著  
特別是黏著不活化表面與低表面能材料  
Transparent and colorless, rapid curing.  
Suitable for post-assembly application of adhesive for capillary infiltration adhesion.  
Especially for bonding to insensitive surfaces and low energy surfaces.

**21454 凝膠狀 耐121°C高溫 不活化表面**

*Gel-like, resistant to 121°C heat, surface insensitive*

透明無色·快速固化  
適用垂直面的接著及填補大間隙  
特別是黏著不活化表面與低表面能材料  
Transparent and colorless, rapid curing.  
Suitable for vertical surface adhesion and filling of large gaps.  
Suitable for adhesion of most materials.  
Especially for bonding to insensitive surfaces and low energy surfaces.

**21416 中黏度 一般用途 填縫能力**

*Medium viscosity, general purpose, seam-filling capabilities*

可用於0.2mm的間隙黏接  
適用於黏接粗糙或不規則表面  
特別適用於塑料與橡膠間彼此的接著  
Can be used for gap bonding of 0.2mm.  
Suitable for bonding rough or irregular surfaces.  
Especially suitable for adhesion between plastic and rubber.

**21420 滲透型 快速固化**

*Penetration type, rapid curing*

適用於組裝後施膠黏接毛細滲透接著  
特別適用於塑料與橡膠間彼此的接著  
Suitable for post-assembly application of adhesive for capillary infiltration adhesion.  
Especially suitable for adhesion between plastic and rubber.

**21495 低黏度 耐121°C高溫 一般用途**

*Low viscosity, resistant to 121°C heat, general purpose*

低黏度·快速固化·耐高溫  
適用於大部分的材料黏著  
特別適用於塑料與橡膠間彼此的接著  
Low viscosity, rapid curing, high temperature resistant.  
Suitable for adhesion of most materials.  
Especially suitable for adhesion between plastic and rubber.

**甲基**  
**Methyl Cyanoacrylate**



**23415 中黏度 填縫能力 金屬接著**

*Medium viscosity, general purpose, gap filling, metal bonding*

可用於0.2mm的間隙接著  
適用於黏接粗糙或不規則表面  
特別適用於金屬與塑料·橡膠間彼此的接著  
Suitable for bonding gaps as small as 0.2mm.  
Ideal for bonding to rough or irregular surfaces.  
Especially suitable for adhesion between metal, rubber, and plastic.

**23493 滲透型 高強度 金屬接著**

*Penetration type, high strength, metal bonding*

極低黏度·快速固化·高強度  
適用於組裝後施膠黏接毛細滲透接著  
特別適用於金屬與塑料·橡膠間彼此的接著  
Ultra low viscosity, rapid curing, high strength.  
Suitable for post-assembly application of adhesive for capillary infiltration adhesion.  
Especially suitable for adhesion between metal, rubber, and plastic.

**23496 低黏度 高強度 金屬接著**

*Low viscosity, high strength, metal bonding*

低黏度·快速固化·高強度  
用於大部分的材料接著  
特別適用於金屬與塑料·橡膠間彼此的接著  
Low viscosity, rapid curing, high strength.  
Suitable for adhesion of most materials.  
Especially suitable for adhesion between metal, rubber, and plastic.

本系列產品對於乾燥、多孔性、低表面能材質或酸性表面等困難接著材料，或在低濕度環境中，均可達到快速及有效接著的效果。適用於連續組裝作業之自動化生產線。對於困難接著的材料，大多數的接著劑都難以有效的黏著，因此在作業前應該要先確認所要點接的材料是否屬於困難接著的材料。

This series of products are effective for rapid and effective adhesion on dry, porous, low-surface-energy materials or acidic surfaces, or in low-humidity environments. They are suitable for automated production lines of continuous assembly operations. For materials that are difficult to bond to, most adhesives struggle to bond effectively. Therefore, before operation, it should be confirmed whether the materials to be bonded belong to the category of difficult-to-bond materials.

**困難接著材料**

*Materials that are considered difficult to bond*

	PE、PP、PTFE、POM、EPDM、矽膠、熱塑性彈性體 TPE、TPU、TPR、電鍍材料、不鏽鋼、鋁鎂合金等。 PE, PP, PTFE, POM, EPDM, silicone rubber, thermoplastic elastomers TPE, TPU, TPR, electroplated materials, stainless steel, aluminum alloy, etc.	陶瓷、礦石、皮革、紡織品、發泡材料、軟木、木材、紙等。 Ceramics, minerals, leather, textiles, foam materials, cork, wood, paper, etc.
	不活化表面與低表面能材料 Insensitive surfaces and low surface energy materials	多孔性材料 吸水性材料 酸性表面材料 Porous materials, water-absorbing materials, acidic surface materials

**產品技術資料 Technical Information**

型號 Item No.	外觀顏色 Appearance	黏度 Viscosity mPa.s (cP)	剪切強度 Shear Strength N/mm <sup>2</sup> (Psi)	耐溫範圍 Temperature Range (°C)	T <sub>g</sub> (°C)	硬度 (Shore D)	初步固化速度 Fixture time (sec)				
							MS	AL	ABS	PC	NBR
21401	透明無色 Transparent	80-150	28 (4,036)	-54°C-121°C	150°C	D 85	<10	<10	<5	<10	<10
21406	透明無色 Transparent	15-40	26 (3,803)	-54°C-121°C	150°C	D 83	<10	<10	<5	<15	<15
21416	透明無色 Transparent	900-1,500	25 (3,637)	-54°C-100°C	150°C	D 84	<25	<30	<40	<20	<10
21420	透明無色 Transparent	1-5	26 (3,758)	-54°C-100°C	150°C	D 84	<25	<20	<20	<30	<10
21454	微透明無色 Clear to slightly cloudy gel	150,000-200,000	25 (3,680)	-54°C-121°C	150°C	D 84	<5	<20	<5	<15	<5
21495	透明無色 Transparent	20-60	27 (3,877)	-54°C-121°C	150°C	D 83	<10	<10	<5	<15	<15
23415	透明無色 Transparent	900-1,500	29 (4,233)	-54°C-100°C	165°C	D 81	<50	<60	<40	<60	<40
23493	透明無色 Transparent	1-5	31 (4,547)	-54°C-82°C	165°C	D 80	<45	<55	<30	<65	<30
23496	透明無色 Transparent	100-200	26 (3,715)	-54°C-82°C	165°C	D 84	<20	<50	<30	<30	<25

\*此列表之內容與數據皆以其產品技術資料表(TDS)為準。在決定選用接著劑之前，建議先進行實際測試以確保產品性能。  
\*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.

**乙基 抗震動 耐衝擊 強韌彈性**

**Ethyl Cyanoacrylate Impact Resistance, Rubber Toughened**



**21380 黑色 中低黏度 耐107°C高溫 耐衝擊**

*Black, medium to low viscosity, resistant to 107°C Heat, impact resistant*

耐高溫、耐高濕、抗衝擊、抗震動、硬度低  
特別適用於橡膠、塑膠間彼此的接著

Heat and humidity-resistant, shock and vibration resistant, low hardness.  
Especially suitable for adhesion between metal, rubber, and plastic.

**21480 黑色 低黏度 高強度 耐衝擊**

*Black, low viscosity, high strength, impact resistant*

優良的抗衝擊強度、抗剝離強度、高剪切強度  
特別適用於金屬、橡膠、塑膠間彼此的接著

Excellent impact strength, peel strength, and high shear strength.  
Especially suitable for adhesion between metal, rubber, and plastic.

**21410 黑色 高黏度 耐107°C高溫 富彈性 耐衝擊**

*Black, high viscosity, heat resistant to 107°C elastic, impact resistant*

耐高溫、耐高濕、抗震動、高柔韌性  
優良的抗衝擊強度、抗剝離強度  
特別適用於金屬、橡膠、塑膠間彼此的接著

Heat and humidity-resistant, shock and vibration resistant, highly flexible.  
Excellent impact strength and peel strength.  
Especially suitable for adhesion between metal, rubber, and plastic.

**214204 中高黏度 高強度 耐121°C高溫**

*Medium to high viscosity, high strength, resistant to 121°C heat*

防潮、抗震動  
優良抗衝擊強度 抗剝離強度與抗化學特性  
特別適用於金屬、塑膠、橡膠彼此間的接著

Moisture-resistant, vibration-resistant.  
Excellent impact strength, peel strength, and chemical resistance.  
Especially suitable for the adhesion between metal, plastic, and rubber.

**21411 高黏度 填縫能力佳 耐衝擊**

*High viscosity, excellent gap filling, impact resistant*

耐高溫、耐高濕、抗震動、高剛韌性  
優良的抗衝擊強度、抗剝離強度、高剪切強度  
特別適用於金屬、橡、膠塑膠間彼此的接著

Heat and humidity-resistant, vibration resistant, highly strong flexible.  
Excellent impact strength, peel strength, and high shear strength.  
Especially suitable for adhesion between metal, rubber, and plastic.

**214210 黑色 中低黏度 高強度 耐121°C高溫**

*Black, medium to low viscosity, high strength, resistant to 121°C heat*

防潮、抗震動  
優良抗衝擊強度、抗剝離強度與抗化學特性  
特別適用於塑膠、橡膠彼此間的接著

Moisture-resistant, vibration-resistant.  
Excellent impact strength, peel strength, and chemical resistance.  
Especially suitable for the adhesion between plastic and rubber.

**21435 低黏度 耐107°C高溫 富彈性 耐衝擊**

*Low viscosity, resistant to 107°C heat, elastic, impact resistant*

優良的抗衝擊強度、抗剝離強度、高剪切強度  
特別適用於金屬、橡膠、塑膠間彼此的接著  
特別是接著不活化表面的材料與多孔性材料

Excellent impact strength, peel strength, and high shear strength.  
Especially suitable for adhesion between metal, rubber, and plastic.  
Particularly effective for bonding insensitive surface materials and porous materials.

**214211 黑色 中高黏度 高強度 耐135°C高溫**

*Black, medium to high viscosity, high strength, resistant to 135°C heat*

防潮 抗震動、高柔韌性  
優良抗衝擊強度、抗剝離強度與抗化學特性  
特別適用於塑膠、橡膠彼此間的接著

Moisture-resistant, vibration-resistant, high flexibility.  
Excellent impact strength, peel strength, and chemical resistance.  
Especially suitable for the adhesion between plastic and rubber.

**MXBON增韌型瞬間膠**系列產品是使用橡膠或酸酐增韌劑配方。這些增韌劑配方設計用於吸收和分散施加在接著劑膠層上的衝擊和應力，從而形成更堅韌的接著，有助提高固化後瞬間膠的剝離強度和抗衝擊性。北回化學的最新製程技術可使得**MXBON增韌型瞬間膠**提供比一般泛用型瞬間膠高出5~10倍的抗剝離強度與抗衝擊強度。

**MXBON toughened adhesive series:** This product line incorporates rubber or anhydride toughening agent formulas. These formulas are designed to absorb and disperse impact and stress on the adhesive layer, resulting in a tougher bond. This enhancement improves the anti-peel strength and impact resistance of the adhesives post-curing. Cartell Chemistry's cutting-edge manufacturing technology ensures that **MXBON toughened adhesives** offer anti-peel and impact resistance strength 5-10 times higher than general-purpose adhesives.



**產品技術資料 Technical Information**

型號 Item No.	外觀顏色 Appearance	黏度 Viscosity mPa.s (cP)	剪切強度 Shear Strength N/mm <sup>2</sup> (Psi)	耐溫範圍 Temperature Range (°C)	Tg (°C)	硬度 (Shore D)	初步固化速度 Fixture time (sec)				
							MS	AL	ABS	PC	NBR
21380	黑色 Black	200-800	27 (3,842)	-54-107°C	120°C	D 76	<100	<55	<35	<85	<20
21410	黑色 Black	1,700-5,000	23 (3,290)	-54-107°C	150°C	D 80	<100	<40	<40	<80	<30
21411	透明無色 Transparent	3,500-8,500	30 (4,335)	-54-100°C	150°C	D 85	<20	<25	<30	<20	<10
21435	透明無色 Transparent	100-250	26 (3,768)	-54-107°C	150°C	D 80	<55	<50	<25	<55	<30
21480	黑色 Black	100-200	24 (3,486)	-40-100°C	150°C	D 80	<30	<30	<20	<20	<10
214204	透明淡黃色 colorless to yellowish colored liquid	1,500-2,500	21 (3,014)	-54-121°C	150°C	D 85	<150	<10	<40	<55	<30
214210	黑色 Black	400-600	24 (3,524)	-54-121°C	165°C	D 85	<240	<240	<35	<80	<30
214211	黑色 Black	2,000-3,000	25 (3,660)	-54-135°C	165°C	D 85	<150	<90	<30	<100	<15

\*此列表之內容與數據皆以其產品技術資料表(TDS)為準。在決定選用接著劑之前，建議先進行實際測試以確保產品性能。  
\*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.



**甲氧基 低氣味 低白化**

**Methoxy Ethyl Cyanoacrylate Low-Odor, Low-Blooming**

**22401 低黏度 耐100°C高溫 不活化表面**

*Low viscosity, resistant to 100°C high temperature, surface insensitive*

透明無色,快速固化,低氣味,低白化  
適用於大部分的材料接著  
特別是接著不活化表面與低表面能材料

Transparent and colorless, rapid curing, low odor, low blooming.  
Suitable for adhesion of most materials.  
Especially for bonding to insensitive surfaces and low energy surfaces.

**22403 中高黏度 耐100°C高溫 不活化表面**

*Medium to low viscosity, resistant to 100°C high temperature, surface insensitive*

透明無色,快速固化,高強度,低氣味,低白化  
適用於金屬與塑膠、橡膠彼此的接著  
特別是接著不活化表面與低表面能材料

Transparent and colorless, rapid curing, high strength, low odor, low blooming.  
Suitable for the adhesion between metal, plastic, and rubber.  
Especially for bonding to insensitive surfaces and low energy surfaces.

**22411 高黏度 耐100°C高溫 填縫能力佳 耐衝擊**

*High viscosity, resistant to 100°C high temperature, excellent gap filling ability, impact resistant*

優良的抗衝擊強度、抗剝離強度、高剪切強度  
特別適用於金屬、橡膠、塑膠間彼此的接著

Excellent impact strength, peel strength, and high shear strength.  
Especially suitable for adhesion between metal, rubber, and plastic.

**22435 低黏度 耐100°C高溫 耐衝擊 不活化表面**

*Low viscosity, resistant to 100°C high temperature, impact resistant, surface insensitive*

透明無色,快速固化  
高柔韌性、高接著強度、抗潮濕、耐衝擊  
特別是接著不活化表面的材料與低表面能材料

Transparent and colorless, fast curing.  
High flexibility, strong bonding strength, humidity resistance, and impact resistance.  
Especially for bonding to insensitive surfaces and low energy surfaces.

**22455 凝膠狀 耐100°C高溫 填縫能力佳 不活化表面**

*Gel-like, resistant to 100°C high temperature, excellent gap filling ability, surface insensitive*

透明無色,高強度  
適用垂直面的接著及填補大間隙  
可用於0.25mm的間隙接著填補  
特別是接著不活化表面與低表面能材料

Transparent and colorless, rapid curing, high strength.  
Suitable for vertical applications and filling large gaps.  
Capable of gap-filling and bonding up to 0.25mm.  
Especially for bonding to insensitive surfaces and low energy surfaces.

**22460 滲透型 耐100°C高溫**

*Penetration type, resistant to 100°C high temperature*

透明無色,快速固化,高強度  
適用於組裝後施膠黏接毛細滲透接著  
適用於多孔隙、吸收性能及低表面能材料

Transparent and colorless, rapid curing, high strength.  
Suitable for post-assembly application of adhesive for capillary infiltration adhesion.  
Suitable for porous, absorbent, and low surface energy materials.

**22480 黑色 低黏度 高強度 耐衝擊**

*Black, Low viscosity, high strength, impact resistance*

高接著強度、抗潮濕、耐衝擊  
優良的抗衝擊強度、抗剝離強度、高剪切強度  
特別適用於金屬、橡膠、塑膠間彼此的接著

Strong bonding strength, humidity resistance, and impact resistance.  
Excellent impact resistance, anti-peeling strength, and high shear strength.  
Especially for the adhesion between metal, plastic, and rubber.

**224902 低黏度 耐100°C高溫 超柔韌型**

*Low viscosity, resistant to 100°C high temperature, ultra-flexible*

透明無色,快速固化,硬度55D  
高接著強度、高密封性  
適合接著具高柔韌性裝置

Transparent and colorless, rapid curing, Shore D 55.  
High bonding strength, high sealant properties.  
Suitable for bonding high-flexibility devices.

北回所研發生產的甲氧基單體的接著劑 (MECA) · 由於其甲氧基 (MECA) 單體較乙基 (ECA) 單體大且重 · 未固化的單體較不易逸散出來 · 這意味著甲氧基 (MECA) 單體的瞬間膠接著劑刺激性的氣味與白霧現象都取得明顯的改善甚至消除。

● 乙基單體 (ECA) ●●●●● 小且輕較容易逸散出來產生刺激性氣味及明顯白霧現象

● 甲氧基單體 (MECA) ●●●●● 大且重較不容易逸散出來產生刺激性氣味及明顯白霧現象

北回化學以高端的製程技術生產的甲氧基瞬間接著劑更優於其他品牌的低白霧瞬間膠產品 · 除了極低氣味極低白霧之外 · 更不會影響MXBON甲氧基瞬間接著劑的固化時間 · 接著強度或物理性能。

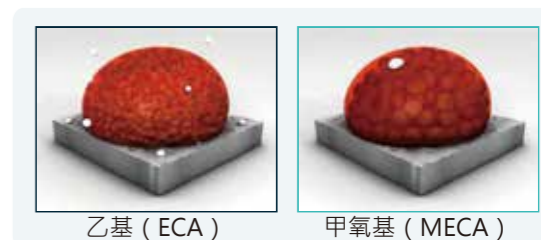
現在的北回化學更將甲氧基瞬間接著劑技術擴大與優化 · 開發出更優質、更具優勢性的甲氧基瞬間接著劑 · 例如市場首款黑色增韌型極低氣味極低白霧瞬間膠MXBON22480 · 由於甲氧基瞬間接著劑更安全與環保 · 因此MXBON甲氧基瞬間接著劑的標籤上並沒有GHS相關的危險符號標示。

The methoxy ethyl monomer-based cyanoacrylate adhesive (MECA) produced by MXBON, due to the larger and heavier methoxy ethyl monomer (MECA) compared to the ethyl monomer (ECA), is less likely to disperse uncured monomers. This implies that the methoxy ethyl monomer's cyanoacrylate adhesive (MECA) has significantly improved, if not eliminated, its irritating odor and blooming.

● Ethyl Monomer (ECA) ●●●●● being smaller and lighter, is more likely to disperse, causing a pungent odor and significant blooming.

● Methoxy Ethyl Monomer (MECA) ●●●●● being larger and heavier, is less likely to disperse, reducing the irritating odor and significant blooming.

The MECA produced by MXBON with advanced process technology is superior to other brands low-blooming adhesive products. In addition to ultra-low odor and ultra-low blooming, it does not affect the curing time, bonding strength, or physical properties of MXBON methoxy ethyl adhesive. MXBON has further expanded and optimized methoxy ethyl cyanoacrylate adhesive technology, developing even more superior and competitive methoxy adhesives, such as the market's first black, toughened, ultra-low odor, ultra-low blooming adhesive, MXBON 22480. Because methoxy ethyl adhesive is safer and more environmentally friendly, there are no GHS hazard symbols on the label of MXBON methoxy ethyl adhesive.



乙基 (ECA)

甲氧基 (MECA)

**產品技術資料 Technical Information**

型號 Item No.	外觀顏色 Appearance	黏度 Viscosity mPa.s (cP)	剪切強度 Shear Strength N/mm <sup>2</sup> (Psi)	耐溫範圍 Temperature Range (°C)	Tg (°C)	硬度 (Shore D)	初步固化速度 Fixture time (sec)				
							MS	AL	ABS	PC	NBR
22401	透明無色 Transparent	80-120	24 (3,532)	-54°C-100°C	150°C	D 82	<5	<5	<5	<10	<15
22403	透明無色 Transparent	900-1,500	25 (3,604)	-54°C-100°C	150°C	D 83	<10	<20	<5	<15	<20
22411	透明無色 Transparent	3,500-8,500	21 (3,079)	-54°C-100°C	150°C	D 85	<10	<20	<10	<15	<20
22435	透明無色 Transparent	250-500	25 (3,635)	-54°C-100°C	150°C	D 75	<5	<5	<5	<15	<15
22455	微透明無色 Clear to slightly cloudy gel	10,000-30,000	22 (3,153)	-54°C-100°C	130°C	D 79	<75	<30	<40	<50	<30
22460	透明無色 Transparent	25-55	22 (3,222)	-54°C-100°C	120°C	D 78	<20	<20	<5	<20	<15
22480	黑色 Black	100-200	25 (3,602)	-54°C-82°C	150°C	D 80	<10	<20	<5	<15	<20
224902	透明無色 Transparent	30-70	24 (3,523)	-54°C-100°C	150°C	D 55	<5	<5	<5	<15	<15

\*此列表之內容與數據皆以其產品技術資料表(TDS)為準 · 在決定選用接著劑之前 · 建議先進行實際測試以確保產品性能。  
\*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.

## 其他特殊應用產品 Special Functionality



### 21382 高黏度 高強度 PCB跳線固定 High viscosity, high strength, PCB jumper wire fixing

可用於0.2mm的間隙接著 耐溫可達100°C  
搭配瞬間膠加速劑用於PCB線材跳線固定  
搭配瞬間膠加速劑用熱電偶測溫線固定

Can be used for 0.2mm gap filling temperature resistance up to 100°C. Used in conjunction with MXBON accelerator for PCB wire jumper bonding. Used in conjunction with MXBON accelerator for thermocouple temperature wire bonding.

### 21402 中黏度 高強度 耐135°C高溫 Medium viscosity, high strength, resistance to high temperature 135°C

透明、快速固化，可對應大部分塑料接著  
適合長時間高溫環境，耐溫可達135°C  
優異的抗濕性及抗老化表現  
特別適用於金屬對橡膠，以及PC-ABS、尼龍等  
高溫塑料組裝的材料接著

Transparent and rapid curing, compatible with most plastics. Ideal for long-term high-temperature environments, heat-resistant up to 135°C. Excellent moisture resistance and anti-aging properties. Particularly effective for bonding metal to rubber and high-temperature plastics like PC-ABS, Nylon in assembly.

### 21417 滲透型 低強度 暫時固定 Penetration type, transparent, low strength, temporary fixing

是特別針對金屬與玻璃的暫時接著應用  
適用於需要最低接著強度的應用  
接著的零件可透過浸泡溶劑，加熱進行分離

Specifically targeted for temporary adhesion applications between metal and glass. Suitable for applications requiring minimal bonding strength. Bonded parts can be separated by soaking in solvent or heating.

### 21418 黑色 高黏度 耐107°C高溫 高強韌 金屬接著 Black, high viscosity, heat resistant to 107°C, rubber toughened, metal bonding

耐高溫、耐高濕、抗震動、高柔軟性  
優良的抗衝擊強度、抗剝離強度、高剪切強度  
特別適用於金屬、橡膠、塑膠間彼此的接著

Heat and humidity-resistant, shock and vibration resistant, highly flexible. Excellent impact strength, peel strength, and high shear strength. Especially suitable for adhesion between metal rubber, and plastic.

### 21498 中黏度 耐熱循環 Medium viscosity, heat resistant circulation

間歇耐溫及耐熱循環可達100°C  
優良的抗濕性及抗老化強度  
特別適用於金屬、塑膠、橡膠彼此間的接著

Intermittent temperature resistance and heat cycle resistance up to 100°C. Excellent moisture resistance and aging resistance. Especially suitable for the adhesion between metal, plastic, and rubber.

### 22425 藍色 低黏度 電子產品塑膠螺絲固定用 低氣味 低白化 Blue, low viscosity, for electronic product plastic screws, low odor, low blooming

藍色，低強度螺絲固定劑  
適用於金屬搭配塑膠的緊扣件  
適用於電子產品的螺絲扣件的防鬆固定  
適用於電子零件的防篡改保護與記憶標示

Blue, fast curing, low strength screw locking agent. Suitable for fasteners paired with metal and plastic. Ideal for securing screw fastenings in electronic products. Suitable for tamper-proofing and marking electronic components.

### 22507 中低黏度 高強度 耐100°C高溫 低氣味 低白化 Medium to low viscosity, high strength, resistant to 100°C high temperature, low odor, low blooming

透明無色，密封性佳  
具柔軟性可緩衝基材形變應力  
特別適用TPE熱塑性彈性軟管與硬質塑料固定  
不活化與低表面能材質可達中強度接著

Transparent and colorless, with good sealing properties. Flexible, able to buffer stress deformation of substrates. Particularly suitable for bonding TPE thermoplastic elastomer hoses to rigid plastics. Medium-strength bonding achievable with inactive and low surface energy materials.

其它特殊功能性系列，乃是針對高溫、高濕等不良環境下之接著需求所研發產品。適用於一般工業用之散熱馬達、汽車引擎、防水條飾條、過濾器、電爐、烤箱、揚聲器等產品。以及電子工業中的磁碟驅動器、高速精密馬達、電路板等，產品組裝接著及固定用途。

The MXBON series also addresses bonding needs in challenging high-temperature and high-humidity environments. It is suitable for industrial applications in thermal motors, automobile engines, waterproof decorative strips, filters, electric furnaces, ovens, and loudspeakers, as well as in the electronics industry for assembly and bonding in products like disk drives, high-speed precision motors, and circuit boards.



## 產品技術資料 Technical Information

型號 Item No.	外觀顏色 Appearance	黏度 Viscosity mPa.s (cP)	剪切強度 Shear Strength N/mm <sup>2</sup> (Psi)	耐溫範圍 Temperature Range (°C)	T <sub>g</sub> (°C)	硬度 (Shore D)	初步固化速度 Fixture time (sec)				
							MS	AL	ABS	PC	NBR
21382	透明無色 Transparent	3,500–8,500	30 (4,335)	-54°C–100°C	150°C	D 85	< 20	< 25	< 30	< 20	< 10
21402	透明無色 Transparent	500–800	28 (4,037)	-54°C–135°C	120°C	D 85	< 60	< 60	< 10	< 60	< 10
21417	透明淡黃色 colorless to yellowish colored liquid	3–8	3 (422)	-54°C–100°C	150°C	D 70	15-20min				
21418	黑色 Black	1,500–4,000	22 (3,198)	-54°C–107°C	120°C	D 55	< 120	< 40	< 60	< 90	< 30
21498	微透明無色 Clear to slightly cloudy gel	400–600	26 (3,786)	-54°C–100°C	150°C	D 84	< 25	< 20	< 15	< 20	< 10
22425	透明藍紫色 Transparent, dark violet colored liquid	250–450	NA	-54°C–100°C	150°C	D 82	< 5	< 5	< 5	< 10	< 15
22507	透明無色 Transparent	200–300	24 (3,541)	-54°C–100°C	150°C	D 74	< 5	< 5	< 5	< 10	< 15

\*此列表之內容與數據皆以其產品技術資料表(TDS)為準。在決定應用接著劑之前，建議先進行實際測試以確保產品性能。  
\*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.

**光固化瞬間膠**  
**UV Cure Cyanoacrylate Adhesive**



**21441 滲透型 光固化瞬間膠**

*Penetration type, UV cure cyanoacrylate adhesive,*

透明淡黃色，立即固化，表面不沾黏  
光固化與濕氣固化，雙重固化機制  
極低黏度，適用於組裝後施膠毛細滲透填補接著  
特別是接著不活化表面的材料與低表面能材料

Transparent light yellow, instantly cures, non-sticky surface.  
Double curing mechanism of light curing and moisture curing.  
Ultra low viscosity, suitable for post-assembly application of adhesive for capillary infiltration adhesion.  
Especially for bonding to insensitive surfaces and low energy surfaces.

**21443 中低黏度 光固化瞬間膠**

*Medium to low viscosity, UV cure cyanoacrylate adhesive,*

透明淡黃色，立即固化，表面不沾黏  
光固化與濕氣固化，雙重固化機制  
易施膠，適用於隙縫填補與接著  
特別是接著不活化表面的材料與低表面能材料

Transparent light yellow, instantly cures, non-sticky surface.  
Double curing mechanism of light curing and moisture curing.  
Easy to apply for gap filling and bonding.  
Especially for bonding to insensitive surfaces and low energy surfaces.

**22441 滲透型 光固化瞬間膠 低氣味 低白化**

*Penetration type, UV cure cyanoacrylate adhesive, low odor, low blooming*

透明淡黃色，立即固化，表面不沾黏  
光固化與濕氣固化，雙重固化機制  
極低黏度，適用於組裝後施膠毛細滲透填補接著

Transparent light yellow, instantly cures.  
Double curing mechanism of light curing and moisture curing.  
Suitable for post-assembly application of adhesive for capillary infiltration adhesion.

**22443 中低黏度 光固化瞬間膠 低氣味 低白化**

*Medium to low viscosity, UV cure cyanoacrylate adhesive, low odor, low blooming*

透明淡黃色，立即固化，表面不沾黏  
光固化與濕氣固化，雙重固化機制  
易施膠，適用於隙縫填補與接著

Transparent light yellow, instantly cures.  
Double curing mechanism of light curing and moisture curing.  
Suitable for post-assembly application of adhesive for capillary infiltration adhesion.

**21446 中黏度 光固化瞬間膠**

*Medium viscosity, UV cure cyanoacrylate adhesive,*

透明淡黃色，立即固化，表面不沾黏  
光固化與濕氣固化，雙重固化機制  
易施膠，可用於0.15mm的較大間隙接著  
特別是接著不活化表面的材料與低表面能材料

Transparent light yellow, instantly cures, non-sticky surface.  
Double curing mechanism of light curing and moisture curing.  
Applicable for bonding larger gaps of 0.15mm. Especially for bonding to insensitive surfaces and low energy surfaces.

**21449 凝膠狀 光固化瞬間膠**

*Gel-like, UV cure cyanoacrylate adhesive*

透明淡黃色，立即固化，表面不沾黏  
光固化與濕氣固化，雙重固化機制  
適用於垂直面的接著及填補大間隙  
特別是接著不活化表面的材料與低表面能材料

Transparent light yellow, instantly cures, non-sticky surface.  
Double curing mechanism of light curing and moisture curing.  
Suitable for vertical surface adhesion and large gap filling.  
Especially for bonding to insensitive surfaces and low energy surfaces.

**22446 中黏度 光固化瞬間膠 低氣味 低白化**

*Medium viscosity, UV cure cyanoacrylate adhesive, low odor, low blooming*

透明淡黃色，立即固化，表面不沾黏  
光固化與濕氣固化，雙重固化機制  
易施膠可用於0.15mm的較大間隙接著

Transparent light yellow, instantly cures.  
Double curing mechanism of light curing and moisture curing.  
Applicable for bonding larger gaps of 0.15mm.

**22449 凝膠狀 光固化瞬間膠 低氣味 低白化**

*Gel-like, UV cure cyanoacrylate adhesive, low odor, low blooming*

透明淡黃色，立即固化，表面不沾黏  
光固化與濕氣固化，雙重固化機制  
適用於垂直面的接著與填補大間隙

Transparent light yellow, instantly cures.  
Double curing mechanism of light curing and moisture curing.  
Suitable for vertical surface adhesion and large gap filling.

MXBON光固化氰基丙烯酸酯接著劑（光固化瞬間膠）是一**革命性的創新接著劑技術**，光固化瞬間膠具有氰基丙烯酸酯接著劑（瞬間膠）和光固化接著劑的所有優點，但沒有任何侷限性。這款用途廣泛的新型光固化瞬間膠接著劑技術的釋氣性極少（low outgassing）、表面暴露於光下會立即固化、很容易適應生產線，並且不需要第二步促進劑或活化劑或熱烤固化。光固化瞬間膠在暴露於低強度紫外線或可見光光源後幾秒鐘內就會固化且具不沾黏性。由於二次濕氣固化機制，位於照不到光的區域或不透明基材後面的任何光固化瞬間膠在室溫下都能自然地以瞬間膠原本的濕氣固化機制而迅速的固化。

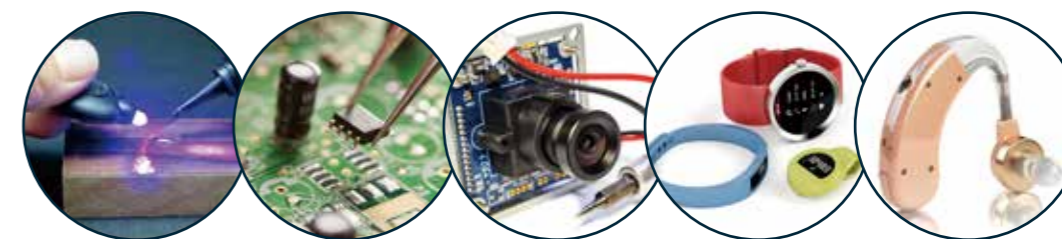
MXBON光固化瞬間膠是表面不敏感型的，不容易受到黏著基材表面狀況的影響，因此用途廣泛，可與各種基材包含彈性體、橡膠、塑膠與金屬提供優異出色的接著強度與韌性、耐衝擊特性。同時光固化瞬間膠可以最大程度地減少在聚碳酸酯和丙烯酸等敏感基材上的白化和應力開裂的問題。

MXBON光固化瞬間膠在幾乎所有產業中都是大量黏著應用的理想之選，在接著化妝品容器、揚聲器、手持裝置、電子組件等方面的應用，MXBON光固化瞬間膠都開創了許多成功案例。

MXBON UV Cure Cyanoacrylate Adhesive (UVCA) is a revolutionary innovative adhesive technology. UVCA has all the advantages of cyanoacrylate adhesive and light-curing adhesive, but without any limitations. This versatile new UVCA technology has very low outgassing, instantly cures when exposed to light, easily adapts to production lines, and doesn't require a second step of accelerators, activators, or thermal curing. UVCA cures and becomes non-sticky within a few seconds after exposure to low-intensity ultraviolet or visible light sources. Due to the secondary moisture curing mechanism, any UVCA located in areas that are not exposed to light or behind opaque substrates can rapidly cure naturally at room temperature with the original moisture curing mechanism of cyanoacrylate adhesive.

MXBON UVCA is surface insensitive, not easily affected by the surface conditions of the bonding substrate, hence widely used. It can provide excellent adhesion strength, toughness, and impact resistance with various substrates including elastomers, rubbers, plastics, and metals. At the same time, UVCA can minimize blooming and stress cracking problems on sensitive substrates such as polycarbonate and acrylic.

MXBON UVCA is an ideal choice for a large number of adhesive applications in almost all industries. In the application of adhering cosmetic containers, speakers, handheld devices, electronic components, etc., MXBON UVCA has created many successful cases.



**產品技術資料 Technical Information**

型號 Item No.	黏度 Viscosity mPa.s (cP)	剪切強度 Shear Strength (ABS) N/mm <sup>2</sup> (After 10s)	剪切強度 Shear Strength (ABS) N/mm <sup>2</sup> (After 24h)	耐溫範圍 Temperature Range (°C)	Tg (°C)	硬度 (Shore D)	初步固化速度 Fixture time (sec)			
							ABS	Acrylic	PC	PVC
21441	8-20	9	13	-54°C-100°C	120°C	D75	<15	<30	<15	<150
21443	150-300	7	13	-54°C-100°C	150°C	D82	<15	<90	<40	<150
21446	600-1,200	7	13	-54°C-100°C	150°C	D83	<15	<80	<40	<140
21449	30,000-60,000	7	13	-54°C-100°C	130°C	D79	<15	<90	<40	<150
22441	8-20	9	13	-54°C-100°C	120°C	D75	<15	<90	<40	<150
22443	150-300	7	13	-54°C-100°C	150°C	D82	<15	<90	<40	<150
22446	600-1,200	7	12	-54°C-100°C	150°C	D83	<15	<80	<40	<140
22449	30,000-60,000	7	13	-54°C-100°C	130°C	D79	<15	<90	<40	<150

\*此列表之內容與數據皆以其產品技術資料表(TDS)為準。在決定選用接著劑之前，建議先進行實際測試以確保產品性能。  
\*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.

**表面處理劑**  
**Primer**



**02770 泛用型 表面改質  
瞬間膠專用表面處理劑**  
*General purpose primer  
Surface modifier*

增加對於困難接著材料的接著強度  
適用於不活化表面的材料與低表面能材料  
適用於多孔性、吸水性、酸性表面材料

Increases the adhesive strength of difficult-to-bond materials.  
Suitable for insensitive surface materials and low surface energy materials.  
Applicable to porous materials, water-absorbent materials, acidic surface materials.

**02770A 加強型 表面改質  
瞬間膠專用表面處理劑**  
*Reinforced primer  
Surface modifier*

大幅增加對於困難接著材料的接著強度  
適用於不活化表面的材料與低表面能材料  
適用於多孔性、吸水性、酸性表面材料

Significantly increases the adhesive strength of difficult-to-bond materials.  
Suitable for insensitive surface materials and low surface energy materials.  
Applicable to porous materials, water-absorbent materials, acidic surface materials.

**02770P 柔軟型材料專用型 表面改質  
瞬間膠專用表面處理劑**  
*Soft material special primer  
Surface modifier*

增加柔軟性困難接著材料的接著強度  
適用於不活化表面的材料與低表面能材料  
適用於多孔性、吸水性、酸性表面材料

Increases the adhesive strength of flexible and difficult-to-bond materials.  
Suitable for insensitive surface materials and low surface energy materials.  
Applicable to porous materials, water-absorbent materials, acidic surface materials.

**加速劑**  
**Accelerator**



**027452 低白霧型  
瞬間膠專用加速劑**  
*Low blooming accelerator*

適用於所有瞬間膠的加速固化，縮短固化時間  
可先塗、可後噴  
能維持良好的外觀，去除白霧的現象

Suitable for accelerating the curing of all adhesives and shortening curing time.  
Can be pre-applied or post-sprayed.  
Maintains good appearance and removes the phenomenon of blooming.

**027455 泛用型  
瞬間膠專用加速劑**  
*General purpose accelerator*

適用於所有瞬間膠的加速固化，縮短固化時間  
可先塗、可後噴  
能維持良好的外觀，去除白霧的現象

Suitable for accelerating the curing of all adhesives and shortening curing time.  
Can be pre-applied or post-sprayed.  
Maintains good appearance and removes the phenomenon of blooming.

**除膠劑**  
**Debonding**



**02768 泛用型  
瞬間膠專用除膠劑**  
*General purpose debonder*

適用所有瞬間膠和紫外線UV膠固化後的軟化去除  
建議厚塗，浸泡使用  
應用：清潔、去除、除膠，瞬間膠白霧的去除

Suitable for softening and removing all cured cyanoacrylate adhesive and UV adhesive.  
Recommended for thick application and soaking.  
Applications: cleaning, removal, debonding, blooming removal of cyanoacrylate adhesive.

北回化學提供多種專業的MXBON品牌化學產品，包括表面處理劑、加速劑和除膠劑，旨在提高MXBON<sup>®</sup>瞬間膠的性能，並滿足各種工業需求。MXBON產品系列確保了高效、可靠的黏附和去除效果，適用於多個工業市場，滿足不同應用需求。

Cartell Chemical presents an extensive and expert selection of MXBON branded chemical products. This range encompasses primer, accelerators, and debonders, all meticulously crafted to augment the efficacy of MXBON instant adhesives and to satisfy a diverse array of industrial requirements. Overall, the MXBON series delivers efficient and reliable adhesive and removal solutions, catering to a broad spectrum of industrial markets and fulfilling diverse application needs.

**產品主要特點**

Below is a detailed overview of these products

<p><b>MXBON<sup>®</sup></b> 瞬間膠專用表面處理劑系列 <i>Primer Series for Cyanoacrylate Adhesive</i></p>	<p>此表面處理劑系列專為難以黏附的新興材料而設計，如PE、PP、Nylon、PTFE等低表面能材料，以及多孔性材料如陶瓷、木材、皮革等。它們預先塗佈在材料表面，提高MXBON瞬間膠的黏附強度，解決困難接著材料的問題。</p> <p>This Primer Series Surface Treatment: These treatments are specifically designed for challenging-to-bond materials, such as PE, PP, Nylon, PTFE, and other low-surface-energy materials, as well as porous materials like ceramics, wood, leather, etc. They are pre-applied to the material's surface to improve the bonding strength of MXBON adhesive, addressing difficulties in bonding with these materials.</p>
<p><b>MXBON<sup>®</sup></b> 瞬間膠專用加速劑系列 <i>Accelerator Series for Cyanoacrylate Adhesive</i></p>	<p>此加速劑系列廣泛應用於多種特殊應用，包括防止白霧現象的發生，但需要謹慎使用以避免過度反應。它適用於電子組裝，如線圈固定、電路板導線跳線固定，以及其他應用如木工、熱電偶固定等。</p> <p>This Accelerator Series finds extensive use in several specialized applications, notably in preventing fogging. It must be used judiciously to avoid overreaction. Its suitability extends to electronic assembly tasks, such as coil winding and circuit board wire jumping, and to other uses like woodworking and the rapid fixation of thermocouples.</p>
<p><b>MXBON<sup>®</sup></b> 瞬間膠專用除膠劑系列 <i>Debonding Series for Cyanoacrylate Adhesive</i></p>	<p>此除膠劑系列主要用於分離瞬間膠黏附的物體並去除殘留的瞬間膠。它還可用於材料表面清潔、表面改質處理和溢膠殘膠去除。使用時需要謹慎，根據不同情況選擇適當的應用方式和時間。</p> <p>Designed primarily for detaching objects bonded by instant adhesives and for the removal of residual adhesive. It is also beneficial for surface cleaning, surface modification treatments, and the elimination of excess adhesive and residues. Users should exercise caution in its application, selecting the appropriate method and duration according to the specific situation.</p>

**產品技術資料 Technical Information**

型號 Item No.	類型 Type	主成分 Ingredient	線上壽命 On-Part life	乾燥時間 Dry time
02770	表面處理劑 Primer	正庚烷 n-Heptane	8hrs	< 30sec.
02770A	表面處理劑 Primer	正庚烷 n-Heptane	8hrs	< 30sec.
02770P	表面處理劑 Primer	異丙醇 2-Propanol	2hrs	< 30sec.
027452	加速劑 Accelerator	丙酮 Acetone	1min	< 30sec.
027455	加速劑 Accelerator	正庚烷 n-Heptane	1min	< 60sec.
02768	除膠劑 Debonding	硝基甲烷 Nitromethane	NA	NA

\*此列表之內容與數據皆以其產品技術資料表(TDS)為準。在決定選用接著劑之前，建議先進行實際測試以確保產品性能。  
\*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.

Date: / /

Date: / /

MXBON®

MXBON®