

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.

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※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。  
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**mxbon®**

Adhesives Expert



**螺絲固定劑**  
**THREAD LOCKERS**



## 11222 低強度 具觸變性

*Low strength, thixotropic*

可用於M6或更小的螺絲固定與密封  
為易拆卸型的螺絲固定劑

Lock and seal for M6 or smaller screws.  
Removable.

## 11242 中強度 泛用型 具觸變性

*Medium strength, general-purpose, thixotropic*

可用於M20以下螺絲的固定與密封  
適用於電鍍的不活性表面的材質  
為可拆卸型的螺絲固定劑

Lock & seal for M20 or smaller screws.  
Good for electroplating surface.  
Removable.

## 11243 中強度 容油性 具觸變性

*Medium strength, oil tolerance, thixotropic*

可用於M20以下螺絲的固定與密封  
適用於輕油脂髒污表面，不鏽鋼及電鍍  
等不活性表面材質  
為可拆卸型的螺絲固定劑

Lock & seal for M20 or smaller screws.  
Suitable for lightly greased surfaces and  
passive substrates such as, stainless steel &  
electroplating surface.  
Removable.

## 11248 中強度 蠟狀固體

*Medium strength, wax consistency*

可用於M20以下螺絲的固定與密封  
蠟狀半固體方便攜帶使用，且適用於輕  
油脂髒污表面，不鏽鋼及電鍍等不活性  
表面材質  
為可拆卸型的螺絲固定劑

Lock & seal for M20 or smaller screws.  
Semi solid stick form is incredibly convenient  
and portable, also suitable for lightly greased  
surfaces and passive substrates such as,  
stainless steel & electroplating surface.  
Removable.

## 11262 高強度 高潤滑性 具觸變性

*High strength, high lubricity, thixotropic*

可用於M20以下螺絲的永久性固定與密封  
在嚴苛的環境下，仍具有優良的防鏽及耐腐蝕特性

Lock & seal for M20 or smaller screws for  
permanent.  
Excellent rust and corrosion resistance in  
harsh environments.

## 11263 高強度 耐化學性 快速固化 容油性

*High strength, chemical resistant, fast curing, oil tolerance*

可用於M25以下螺絲的固定與密封  
適用於輕微油脂髒污表面、不鏽鋼及電鍍  
等不活性表面的材質

Lock & seal for M25 or smaller screws.  
Suitable for lightly greased surfaces and  
passive substrates such as, stainless steel  
& electroplating surface.

## 11271 高強度 低黏度 泛用型

*High strength, low viscosity, general-purpose*

可用於M25以下螺絲的永久性固定與密封

Lock & seal for M25 or smaller screws for permanent.

## 11272 高強度 具觸變性 耐高溫

*High strength, thixotropic, heat resistance*

耐高溫達230°C  
可用於M36以下螺絲的永久性固定與密封

Heat resistance up to 230°C.  
Lock & seal for M36 or smaller screws for permanent.

## 11277 高強度 高黏度

*High strength, high viscosity*

耐化學性特優，可防止螺絲生鏽及腐蝕  
可用於M36以下螺絲的永久性固定與密封

Excellent chemical resistance, prevents rusting and  
corrosion of screws.  
Lock & seal for M36 or smaller screws for permanent.

## 11290 中高強度 滲透型

*Medium to high strength, penetration type*

用於已裝配好的M2~M12螺絲固定與密封，也可用來  
密封焊道縫及鑄件的微孔

可防止螺絲生鏽及腐蝕  
Lock & seal for M2~M12 screws after assembly,  
effective for sealing micro-pores on weld seams and  
castings.  
Prevents rusting and corrosion of screws.

## 112701 高強度 鈍化表面專用

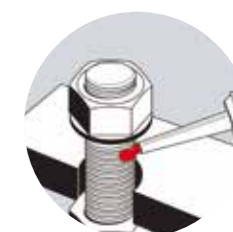
*High strength, for passivated materials*

抗熱性及抗油性極佳  
鈍化材質專用膠

可用於M20以下螺絲的固定與密封  
Excellent heat and oil resistance.  
Specialized adhesive for Passivated Materials.  
Lock & seal for M20 or smaller screws.

MXBON螺絲固定劑，是單液自硬化型固定劑，能完全填充螺紋之間的空隙，可以取代彈簧墊圈、雙螺母，及其他機械固定裝置，簡化產品的設計，並可以防止螺絲扣件腐蝕、卡死、鬆動、滲漏、減少維修時間，永久的確保螺絲裝配的安全，提高機械的穩固性。

MXBON Thread Lockers are single-component, self-curing adhesives that completely fill the gaps between threads. They can replace spring washers, double nuts, and other mechanical fastening devices, thereby simplifying the product design. They also prevent screw fasteners from corroding, seizing, loosening, and leaking, consequently reducing maintenance time. They provide a permanent guarantee of screw assembly safety, enhancing the sturdiness of machinery.



### 使用技巧與重點 TIPS of USING

可用加熱的方法或用較大的扭力來拆卸高強度螺絲固定劑所固定螺絲。使用前先用抹布或鋼刷清潔接著部分；若有油汙則必須先將油漬去除。若是盲孔，應施膠於孔內較為妥當。接合長度若較長，則螺絲及孔內均應施膠。搭配MXBON促進劑使用，可加速固化。

Removal: High-strength Thread Lockers can be disassembled by using either heat application or increased torque. Cleaning: Prior to the application, ensure the bonding area is clean. Use a cloth or steel brush to remove any debris. If oil residue is present, it must be removed. Blind Holes: For blind holes, it is more appropriate to apply the adhesive within the hole. Long Joints: In the case of long joints, apply adhesive to both the screw and the interior of the hole. Accelerating Cure: The curing process can be expedited by using the MXBON activator.

### 產品技術資料 Technical Information

型號 Item No.	外觀顏色 Appearance	螢光性 Fluorescence	黏度 Viscosity mPa.s (cP)	鬆脫扭矩 Breakaway N-m (lb-in)	摩擦扭矩 Prevail N-m (lb-in)	工作溫度 Working Temp. °C	固化時間 初固 Fixture Time	固化時間 全固 Fully Cured	認證 NSF
11222	紫色 Purple	◆	900-1,500 觸變性 Thixotropic	6 (52.8)	4 (35)	-54°C-150°C	15min	24hrs	◆
11242	藍色 Blue	◆	900-1,400 觸變性 Thixotropic	8-19 (70-167)	3-7 (26-62)	-54°C-150°C	5min	24hrs	◆
11243	藍色 Blue	◆	1,300-3,000 觸變性 Thixotropic	26 (229)	5 (44)	-54°C-180°C	10min	24hrs	◆
11248	藍色 Blue	◆	蠟狀 wax consistency	23 (204)	5 (43)	-54°C-150°C	5min	24hrs	◆
11262	紅色 Red	◆	1,200-2,400 觸變性 Thixotropic	26 (229)	32 (282)	-54°C-150°C	10min	24hrs	◆
11263	紅色 Red	◆	400-600	34 (299)	34 (299)	-54°C-180°C	10min	24hrs	◆
11271	紅色 Red	◆	400-600	17-40 (150-352)	23-40 (202-352)	-54°C-150°C	10min	24hrs	◆
11272	紅色 Red	◆	4,000-15,000 觸變性 Thixotropic	34 (299)	36 (317)	-54°C-230°C	30min	24hrs	◆
11277	紅色 Red	◆	6,000-8,000	32 (282)	32 (282)	-54°C-150°C	30min	24hrs	◆
11290	綠色 Green	◆	20-55	10 (88)	29 (255)	-54°C-150°C	20min	24hrs	◆
112701	綠色 Green	◆	500-900	26-50 (229-440)	≥ 15 (≥ 132)	-54°C-150°C	10min	24hrs	◆

\*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.

### 促進劑產品技術資料 Activator Technical Information

型號 Item No.	適用 Usage	特性 Property	主成分 Main Component	線上壽命 On-Part Life	乾燥時間 Dry Time	認證 NSF
017649	厭氧膠 厭氧型結構膠 For anaerobic adhesives, anaerobic structural adhesives	本款厭氧膠專用促進劑適用於所有厭氧的加速固化，縮短固定時間，增加填縫能力。可先塗或後噴。典型應用：非活性金屬表面、金屬電鍍表面。 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.	丙酮 Acetone 庚烷 Heptane	30 days	< 60 sec.	◆