

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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mxbon
Adhesives Expert



Adhesives Expert

mxbon®



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。在決定選用瞬間膠之前，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	厭氧膠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.	◆

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圓形配件固定劑 RETAINING COMPOUND



12603

高強度 壓配組裝

High strength, press-fit

在10分鐘內可達初步固化

容油性，抗震動，耐磨損及金屬配件的腐蝕

適用於固定套管、皮帶輪、輪齒、軸配合件及修復加工不良的零件

Achieves initial curing within 10 minutes.

Oil tolerance, vibration resistance, wear and corrosion resistance for metal parts.

Suitable for fixing sleeves, pulleys, gears, shaft fittings, and repairing defective components.

12609

中高強度 壓配組裝

Medium to high strength, press-fit

在10分鐘內可達初步固化

可黏著不同材質的金屬

適用於固定套管、皮帶輪、輪齒、軸配合件及修復加工不良的零件

Achieves Initial Curing Within 10 Minutes.

Use for variety metals.

Suitable for fixing sleeves, pulleys, gears, shaft fittings, and repairing defective components.

12620

高強度 耐高溫 不垂流 滑配組裝

High strength, heat resistance, non-dripping, slip-fit

耐高溫可達230°C

高潤滑性，能防止金屬磨損及腐蝕

適用於固定套管、皮帶輪、輪齒、軸配合件及修復加工不良的零件

Heat resistance Up to 230°C.

High lubricity, prevents metal wear and corrosion.

Suitable for fixing sleeves, pulleys, gears, shaft fittings, and repairing defective components.

12638

高強度 滑配組裝

High strength, slip-fit

在5分鐘內可達初步固化

耐衝擊，抗化學性佳

適用於固定套管、皮帶輪、輪齒、軸配合件及修復加工不良的零件

Achieves initial curing within 5 minutes.

Impact resistance, excellent chemical resistance.

Suitable for fixing sleeves, pulleys, gears, shaft fittings, and repairing defective components.

12648

高強度 壓配組裝

High strength, press-fit

在5分鐘內可達初步固化

可用於鈍化材質的工件，如不鏽鋼

適用於固定套管、皮帶輪、輪齒、軸配合件及修復加工不良的零件

Achieves initial curing within 5 Minutes.

Applicable to workpieces of passivated materials, such as stainless steel.

Suitable for fixing sleeves, pulleys, gears, shaft fittings, and repairing defective components.

12680

高強度 滑配組裝

High strength, Slip-fit

在10分鐘內可達初步固化

適用於固定套管、皮帶輪、輪齒、軸配合件及修復加工不良的零件

Achieves initial curing within 10 minutes.

Suitable for fixing sleeves, pulleys, gears, shaft fittings, and repairing defective components.

使用技巧與重點 *TIPS of USING*

- 1)

圓形配件固定劑在清潔無油污的表面上效果最好。配合使用MXBON的清潔劑和活化劑能達到清潔工作物表面及加速固化的功能。
- 2)

對於不活化金屬表面(如不鏽鋼)應使用促進劑以確保完全固化。
- 3)

除非經過測試，否則不要在塑膠零組件上使用MXBON圓形配件固定劑。許多熱塑性塑膠再接觸到液態型厭氧性接著劑時會發生龜裂的現象。

- 1)

Clean Surfaces: MXBON Retaining Compound performs best on clean, oil-free surfaces. Use MXBON cleaner and activator for optimal surface preparation and accelerated curing.
- 2)

Passive Substrates: For less reactive metals like stainless steel, an activator is recommended to ensure complete curing.
- 3)

Plastic Components: Do not use MXBON Retaining Compound on plastic parts unless specifically tested, as many thermoplastics can crack when exposed to liquid anaerobic adhesives.

MXBON圓形配件固定劑主要應用於各種金屬圓柱型零組件的組裝。如：軸承、軸套、插銷、鍵槽、齒條、輪轂及滑輪等圓形配件的組裝固定，取代傳統的壓配、插銷、鍵槽等費時費力高成本的工作方式，改為簡易的輕壓配或滑配的方式。MXBON 圓形配件固定劑固定的工作因接觸面100%貼合可達到非常高的抗扭及剪切強度，不因部品轉動、震動而鬆脫，具備強大的轉移荷載能力，能提高圓柱形無螺紋配件裝配作業，減低零件加工精密度的要求，取代扣環、扣片、扣夾等零件，同時減少因壓配組裝所造成的壓力，避免零件因此而損壞，進而增加零件使用壽命，降低許多加工成本。組裝後的產品能承受較嚴苛的環境條件，可以抵抗潤滑油、機油、汽油、弱酸、弱鹼及大部分化學品的侵蝕並達到密封防鏽的功能。

MXBON Retaining Compound is primarily used for the assembly of various metal cylindrical components, such as bearings, bushings, pins, keyways, racks, hubs, and pulleys. It supersedes traditional, time-consuming, and high-cost methods like press-fitting, pin insertion, and keyways, transforming them into simpler and more efficient light press-fit or slip-fit methods.MXBON Retaining Compound, through its 100% surface contact, achieves high torsional and shear strength. It ensures that components do not loosen due to rotation or vibration and provides substantial load transfer capacity. It streamlines the assembly operations of cylindrical components without threads, diminishes the precision requirements for component machining, and can replace parts such as circlips, retaining plates, and clamps. Simultaneously, it minimizes the stress caused by press-fitting assembly, preventing component damage, and thereby increasing component lifespan, substantially reducing processing costs. The assembled product can withstand harsh environmental conditions, resist the erosion of lubricating oil, machine oil, gasoline, weak acids, weak bases, and most chemical substances, while providing sealing and rust prevention capabilities.



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)	剪切強度 Shear Strength N/mm² (Psi)	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
12603	綠色 Green	◆	100—150	≥ 23 (≥ 3,263)	-54°C—150°C	10min	24hrs	◆
12609	綠色 Green	◆	100—150	≥ 16 (≥ 2,291)	-54°C—150°C	10min	24hrs	◆
12620	綠色 Green	◆	5,000—12,000 觸變性 Thixotropic	≥ 24 (≥ 3,480)	-54°C—230°C	30min	24hrs	◆
12638	綠色 Green	◆	2,000—3,000	≥ 25 (≥ 3,625)	-54°C—180°C	5min	24hrs	◆
12648	綠色 Green	◆	400—600	≥ 25 (≥ 3,625)	-54°C—180°C	5min	24hrs	◆
12680	綠色 Green	◆	750—1,750	≥ 19 (≥ 2,799)	-54°C—180°C	10min	24hrs	◆

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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	厭氧膠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.	◆

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螺紋管路密封劑 THREAD SEALANT



13542

低黏度 觸變性 空油壓 細牙螺紋

Low viscosity, thixotropic, pneumatic, fine thread

泛用型，適用於小管徑精密螺牙
空油壓接頭密封專用
General-purpose, suitable for small diameter precision threads.
Dedicated for sealing pneumatic connectors.

13545

中黏度 精密管路 細牙螺紋

Medium viscosity, precision pipelines, fine thread

不含填料，不會堵塞閥門及過濾系統
用於密封及鎖固錐形螺牙接頭
液壓氣動管路接頭密封專用
No filler, it will not block valves and filtration systems.
For the sealing and locking of cone and thread fittings.
Dedicated for sealing hydraulic and pneumatic pipe joints.

13554

中低黏度 耐化學溶劑 細牙螺紋

Medium to low viscosity, chemical resistance, fine thread

優異的抗化學溶劑特性
冷凍管路接頭密封
大管徑管路(2")
Excellent chemical solvent resistance.
Used for sealing refrigeration pipe joints.
Large Diameter Pipelines (2 inches).

13565

膏狀 NP & NPT 粗牙螺紋

Gel-like, NT&NPT, coarse thread

易拆卸
快速密封，具組裝潤滑性
NPT&PT圓錐管路密封專用
Easy to dismantle.
Fast sealing, and assembly lubricity.
Specifically for sealing npt & pt tapered pipe joints.



13567

膏狀 耐高溫 粗牙螺紋

Gel-like, heat resistance, coarse thread

易拆卸
快速密封，具組裝潤滑性
耐高溫達250°C，優良的耐溶劑性能，能固定密封錐形管牙及接頭 (包括高壓管路)
特別適用於不鏽鋼管路系統
Easy to dismantle.
Fast sealing, and assembly lubricity.
Resistant to high temperatures up to 250°C, excellent solvent resistance, able to fix and seal tapered pipe threads and connectors (including high-pressure pipes).
Especially suitable for stainless steel piping systems.

13577

高黏度 觸變性 泛用型 快速固化

High viscosity, thixotropic, general-purpose, rapid curing

快速固化，具組裝潤滑性
適用於絕大多數的管路系統
最佳首選管路密封產品
Fast curing, with assembly lubricity.
Applicable to most pipe systems.
The best choice for pipe sealing products.

使用技巧與重點 *TIPS of USING*

- 1)
- MXBON管路密封劑不適用於純氧、氯氣或氧化氣體管路系統。
- 2)
- 若是塑料管路，使用前應先測試，並配合催化劑使用。
- 3)
- 使用前應先將管路螺紋上多餘的油汙、油漬、及其他污漬清除。
- 4)
- 管牙鎖入至少4牙為佳，施膠於入牙處，並將膠壓入牙谷。
- 5)
- 為避免密封劑進入管路系統，可不在首牙上塗佈密封劑。
- 6)
- 我們建議您使用MXBON厭氧性活化劑於不活化金屬表面，如鍍銅合金、不鏽鋼、及電鍍金屬等接頭。

- 1)
- MXBON Thread Sealant should not be used in systems transporting pure oxygen, chlorine, or oxidizing gases.
- 2)
- Before applying MXBON Thread Sealant on plastic pipelines, it is recommended to conduct a compatibility test and use our activator.
- 3)
- The threads of the pipe must be cleaned from oil, grease, or any other contaminants before the application of the sealant.
- 4)
- For optimal performance, at least 4 threads should be engaged. Apply the sealant at the entry point of the threads and press the sealant into the thread grooves.
- 5)
- To prevent the sealant from entering the pipeline system, it is advisable not to apply the sealant on the first thread.
- 6)
- MXBON anaerobic activator is recommended for use on passive metal surfaces, such as nickel-copper alloys, stainless steel, and electroplated metal joints.

MXBON螺紋管路密封劑是一種室溫固化的厭氧型接著密封劑，適用於金屬螺紋配管。它可以固定、密封金屬管路系統，填充金屬零件與螺紋之間的空隙，並防止洩漏、承受管路壓力、防止熱脹冷縮或震動引起的鬆脫和洩漏。MXBON螺紋管路密封劑使用簡便，只需塗抹在管路和接頭的螺紋上，即可實現可靠的密封和止漏效果。它不會收縮、碎裂、老化，也不會導致管路堵塞。此外，它能夠抵抗各種油類、弱酸和弱鹼的侵蝕，同時防止鏽蝕。MXBON螺紋管路密封劑適用於各種管路，包括氣體輸送、液體輸送、空油壓和飲用水管路。它不僅固定和密封效果卓越，還具有優良的化學性能和耐壓強度，是一種現代替代傳統止洩帶的高效密封解決方案。

MXBON Thread Sealant is a room-temperature-curing anaerobic adhesive designed for metal threaded pipes. It serves to secure and seal metal pipe systems, fill gaps between metal components and threads, preventing leaks, withstanding pipe pressure, and guarding against loosening and leakage caused by thermal expansion, contraction, or vibration. The application of MXBON Thread Sealant is straightforward, simply requiring it to be applied to the threads of pipes and joints to achieve reliable sealing and leak prevention. It doesn't shrink, crack, age, or clog pipes. Additionally, it can resist various oils, weak acids, and weak bases, while also preventing corrosion. MXBON Thread Sealant is suitable for a wide range of pipe applications, including gas transportation, liquid transportation, pneumatic systems, and drinking water pipelines. It not only provides outstanding sealing and securing performance but also boasts excellent chemical resistance and pressure tolerance, making it a modern alternative to traditional sealing tapes.



產品技術資料 *Technical Information*

型號 Item No.	外觀顏色 Appearance	黏度 Viscosity mPa.s (cP)	鬆脫扭矩 Breakaway N·m (lb·in)	耐壓強度 (Psi)	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
13542	棕色 Brown	400—800 觸變性 Thixotropic	18 (158)	10,000	-54°C—150°C	30min	24hrs	◆
13545	紫色 Purple	9,000—20,000	4 (35)	10,000	-54°C—150°C	30min	24hrs	◆
13554	紅色 Red	1,500—3,500	19 (167)	10,000	-54°C—150°C	20min	24hrs	◆
13565	白色 White	175,000—525,000	3 (26)	10,000	-54°C—150°C	30min	24hrs	◆
13567	沙白色 Sand white	280,000—800,000	7 (65)	10,000	-54°C—250°C	3hrs	24hrs	◆
13577	黃色 Yellow	16,000—33,000 觸變性 Thixotropic	10 (88)	10,000	-54°C—150°C	20min	24hrs	◆

*此列表之內容與數據皆以其產品技術資料表(TDS)為準，在決定應用瞬間膠之前，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	厭氧膠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.	◆

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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mxbon
Adhesives Expert



Adhesives Expert

mxbon®



墊片密封劑

GASKETING SEALANT



14510 厭氧型 耐高溫
Anaerobic, heat resistance

耐高溫達204°C，耐溶劑、抗化學物質性能優良
適用於剛性鑄件、銑削表面，最大填充間隙為0.25mm
不會撕裂或老化
Resistant to high temperatures up to 204°C, excellent solvent and chemical resistance.
Applicable to rigid castings, milling surfaces, with a maximum fill gap of 0.25mm.
Will not tear or age.



14515 厭氧型 間隙填補 泛用型
Anaerobic, gap-filling, general-purpose

快速固化，黏度高可填補較大間隙
耐溶劑及化學物質性能優良，無腐蝕性
適用於剛性鑄件、沖壓金屬件，最大填充間隙為0.25mm
不會撕裂或老化
Rapid curing, high viscosity and suitable for large gap filling.
Excellent solvent and chemical resistance, non-corrosive.
Applicable to rigid castings, stamped metal parts, with a maximum fill gap of 0.25mm.
Will not tear or age.



14518 厭氧型 間隙填補 鈍化材應用
Anaerobic, gap-filling, surface insensitive

黏度高可填補較大間隙
耐溶劑及化學物質性能優良，無腐蝕性
適用於鋁合金材質、剛性鑄件、沖壓金屬件
不會撕裂或老化
High viscosity and suitable for large gap filling.
Excellent solvent and chemical resistance, non-corrosive.
Suitable for aluminium alloy materials, rigid castings, and stamped metal parts.
Will not tear or age.



14574 厭氧型 快速固化
Anaerobic, rapid curing

快速固化，低壓立即密封
耐溶劑及抗化學性能優良
適用於剛性鑄件、沖壓金屬件
不會撕裂或老化
Quick curing, immediate sealing at low pressure.
Excellent solvent resistance and chemical resistance.
Applicable to rigid castings, stamped metal parts.
Will not tear or age.



MXBON墊片密封劑是一種立即成形的厭氧型平面密封劑，適用於各種尺寸的平面表面以及任何尺寸的法蘭凸緣面。它取代了傳統墊片，從而降低庫存成本。其特點包括無溶劑成分、高黏度、耐壓性和使用便捷性。相較於預先切割的墊片，其優勢在於簡化工藝、降低缺陷率、減少生產混亂，以及與多種黏著方法相容。該密封劑完全填滿接觸表面，防止洩漏和腐蝕，同時不受變形和疲勞相關洩漏問題的影響。此外，它消除了考慮墊片厚度的需求，均勻分布平面壓力，減少變形概率，並提高表面加工精度。其廣泛適用性有助於降低不同尺寸墊片的庫存成本。

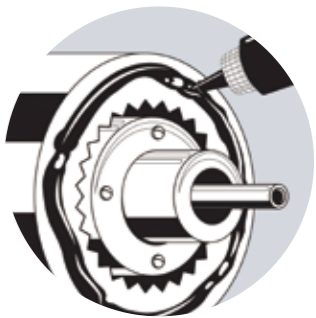
The MXBON Gasketing Sealant is an instantly forming anaerobic-type flat sealing agent, suitable for various sizes of flange surfaces. It replaces traditional gaskets, thereby reducing inventory costs. Its features encompass a solvent-free composition, high viscosity, pressure resistance, and ease of use. Compared to pre-cut gaskets, its advantages lie in process simplification, reduced defect rates, minimized production chaos, and compatibility with various adhesive methods. This sealant completely fills the contact surface, preventing leaks and corrosion while remaining unaffected by deformation and fatigue-related leakage issues. Furthermore, it eliminates the need to consider gasket thickness, evenly distributing flange pressures, decreasing deformation probabilities, and enhancing surface machining precision. Its broad applicability contributes to lower inventory costs for gaskets of varying sizes.

使用技巧與重點

- 1) 使用前先清除凸緣油污。
- 2) 沿螺絲孔四周連續施膠，不要間斷。
- 3) 施加適當扭力使凸緣不會產生位移。
- 4) 勿使用厭氧性墊片密封劑當填充物。
- 5) 可使用厭氧性墊片密封劑覆蓋於傳統式墊片上。

TIPS of USING

- 1) Clean flange surfaces before application.
- 2) Apply sealant continuously around bolt holes.
- 3) Apply sufficient torque to prevent flange displacement.
- 4) Do not use anaerobic gasket sealant as filler.
- 5) Enhance traditional gaskets by overlaying with anaerobic gasket sealant.



產品技術資料 Technical Information

型號 Item No.	外觀顏色 Appearance	黏度 Viscosity mPa.s (cP)	填補間隙 Gap performance(mm)		工作溫度 Working Temp. °C	固化速度 Cure Speed		認證 NSF
			未加塗活化劑 Without Activator	加塗活化劑 With Activator		未加塗活化劑 Without Activator	加塗活化劑 With Activator	
14510	粉色 Pink	40,000—140,000 觸變性 Thixotropic	0.25	0.50	-54°C—204°C	4—24hrs.	30min.—4hrs.	◆
14515	紫色 Purple	150,000—375,000 觸變性 Thixotropic	0.25	1.25	-54°C—150°C	1—12hrs.	15min.—2hrs.	◆
14518	紅色 Red	500,000—1,000,000 觸變性 Thixotropic	0.25	1.25	-54°C—150°C	4—24hrs.	30min.—4hrs.	◆
14574	橘色 Orange	70,000—120,000 觸變性 Thixotropic	0.25	0.50	-54°C—150°C	1—12hrs.	15min.—2hrs.	◆

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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	厭氧膠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.	◆