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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



mxbon®



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 NPT & PT 粗牙螺紋

Gel-like, NPT & PT, 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 with 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 with 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

- 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®厭氧膠專用促進劑於不活化金屬表面，如鎳銅合金、不鏽鋼、及電鍍金屬等接頭。

TIPS of USING

- 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
017090	厭氧膠 厭氧型結構膠 For anaerobic adhesives, anaerobic structural adhesives	本款產品適用搭配於MXBON厭氧膠及密封膠。 低氣味、不閃燃、無毒配方，可縮短固化時間。 Formulated for compatibility with MXBON anaerobic adhesives and sealants. Low odor, non-flammable, and non-toxic formulation. Significantly reduces curing time.	甲基丙烯酸酯 Polyethylene Glycol Dimethacrylate	1 hour	不會乾燥 Will not dry	
017649	厭氧膠 厭氧型結構膠 For anaerobic adhesives, anaerobic structural adhesives	適用於所有厭氧膠的加速固化，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 庚烷 Acetone Heptane	14 days	≤100 sec	◆