

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



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

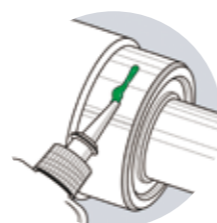
在5分鐘內可達初步固化
 可用於鈍化材質的工件, 如不鏽鋼
 適用於固定套管、皮帶輪、輪齒、軸配合件及修復加工不良的零件
 Achieves initial curing within 5 Minutes.
 Applicable to workpieces of passivated materials, such as stainless steel.
 Suitable for fixing sleeves, pulleys, gears, shaft fittings, and repairing defective components.

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汙的表面上效果最好。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、齒輪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/mm ² (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	◆

*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.	◆