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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®



## 墊片密封劑

### GASKETING SEALANT



## 14510 厚型耐高溫

*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 厚型間隙填補泛用型

*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 厚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 厚型快速固化

*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

**TIPS of USING**

- 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。

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
			未加塗促進劑 Without Activator	加塗促進劑 With Activator		未加塗促進劑 Without Activator	加塗促進劑 With Activator	
14510	粉色 Pink	40,000–140,000 觸變性 Thixotropic	0.25	-54°C–204°C	4–24hrs.	30min.–4hrs.		◆
14515	紫色 Purple	150,000–375,000 觸變性 Thixotropic	0.25	-54°C–150°C	1–12hrs.	15min.–2hrs.		◆
14518	紅色 Red	500,000–1,000,000 觸變性 Thixotropic	0.25	-54°C–150°C	4–24hrs.	30min.–4hrs.		◆
14574	橘色 Orange	70,000–120,000 觸變性 Thixotropic	0.25	-54°C–150°C	1–12hrs.	15min.–2hrs.		◆

\*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 Acetone 庚烷 Heptane	14 days	≤100 sec	◆