

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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Branch/Authorized Dealer Information

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MXBON®



THREAD SEALANT



Adhesives Expert

13542 Low viscosity, thixotropic, pneumatic, fine thread

General-purpose, suitable for small diameter precision threads.
Dedicated for sealing pneumatic connectors.

13545 Medium viscosity, precision pipelines, fine thread

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 Medium to low viscosity, chemical resistance, fine thread

Excellent chemical solvent resistance.
Used for sealing refrigeration pipe joints.
Large Diameter Pipelines (2 inches).

13565 Gel-like, NPT & PT, coarse thread

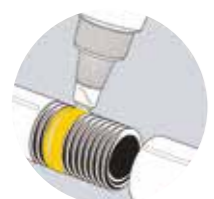
Easy to dismantle.
Fast sealing with assembly lubricity.
Specifically for sealing NPT & PT tapered pipe joints.

13567 Gel-like, heat resistance, coarse thread

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 High viscosity, thixotropic, general-purpose, rapid curing

Fast curing with assembly lubricity.
Applicable to most pipe systems.
The best choice for pipe sealing products.



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 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.



Technical Information

Item No.	Appearance	Viscosity mPa.s (cP)	Breakaway N-m (lb-in)	(Psi)	Working Temp. °C	Fixture Time	Fully Cured	NSF
13542	Brown	400–800 Thixotropic	18 (158)	10,000	-54°C–150°C	30min	24hrs	◆
13545	Purple	9,000–20,000	4 (35)	10,000	-54°C–150°C	30min	24hrs	◆
13554	Red	1,500–3,500	19 (167)	10,000	-54°C–150°C	20min	24hrs	◆
13565	White	175,000–525,000	3 (26)	10,000	-54°C–150°C	30min	24hrs	◆
13567	Sand white	280,000–800,000	7 (65)	10,000	-54°C–250°C	3hrs	24hrs	◆
13577	Yellow	16,000–33,000 Thixotropic	10 (88)	10,000	-54°C–150°C	20min	24hrs	◆

*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.

Activator Technical Information

Item No.	Usage	Property	Main Component	On-Part Life	Dry Time	NSF
017090	For anaerobic adhesives, anaerobic structural adhesives	Formulated for compatibility with MXBON anaerobic adhesives and sealants. Low odor, non-flammable, and non-toxic formulation. Significantly reduces curing time.	Polyethylene Glycol Dimethacrylate	1 hour	Will not dry	
017649	For anaerobic adhesives, anaerobic structural adhesives	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.	Acetone Heptane	14 days	≤ 100 sec	◆