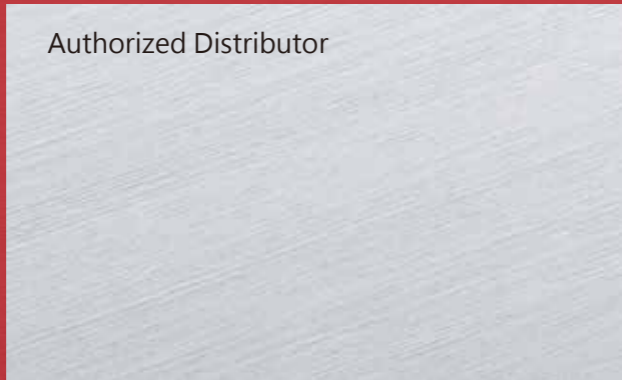


Founded in 1994, Cartell Chemical Co., Ltd is one of the leading cyanoacrylate adhesive manufacturers with its products marketed under MXBON brand name. With Strong financial support, Cartell is able to build the world most advanced production facility and enable its RnD to collaborate with world top Research and Development team to develop innovative adhesive technologies. Aiming at providing the best bonding solution, Cartell continues to invest on the machines and equipments needed for the research, development as well as inspection and testing.

Cartell chemical is an ISO9001 and ISO14001 accredited company. Our products are certified with international standards such as ISO10993, NSF, RoHS and REACH.

As a specialty chemical provider for bonding and sealing, Cartell offers low cost but reliable solutions for industrial users from design phase, mass production to MRO. Our products are widely used on general assembly, electronic, electric, medical device, transportation, vessel, automotive and so on.

Our sales and technician team not only assists industrial users with the selection of adhesives from product design to mass production but also helps them solving problem when there is a bonding or sealing failure. Our innovation and profession are the key to a wide customer recognition and brand and product popularity.



Authorized Distributor



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ANAEROBIC ADHESIVES

THREAD LOCKERS

MXBON® Thread Locker mainly used for lock the metal screws and fasteners, prevents loosening caused by vibration and thermal expansion.

Thread Locker also resist the lubricant, gasoline, transmission fluid, weak acid/base and other chemicals with the function of sealing and anti-corrosion.

MXBON® thread lockers are very suitable with varieties of pitches, which makes the manufacturing more reliable to reduce the cost.

MXBON® Thread Lockers are single component, self-curing adhesive, can fill up the gaps in screws. It can replace the spring washer, double nut and other mechanical fixtures, secure the screws from corrosion, loosen and leakage.



● 11262

- ① High strength
- ② lubricating property, thixotropic
- ③ Lock and seal for M20 or smaller screws for permanent
- ④ Excellent anti-corrosion in harsh environment

● 11263

- ① High strength
- ② Chemical resistance, fast curing
- ③ Lock and seal for M25 or smaller screws
- ④ For surface with minor contamination by oil, stainless steel and electroplating surface (passive materials)

● 11271

- ① High strength
- ② Low viscosity, general use
- ③ Lock and seal for M25 or smaller screws for permanent

ITEM CODE & PROPERTY



● 11222

- ① Low strength
- ② Thixotropic
- ③ Lock and seal for M6 or smaller screws
- ④ Removable

● 11272

- ① High strength
- ② high temperature resistance to 230°C
- ③ Lock and seal for M36 or smaller screws for permanent

● 11277

- ① High strength
- ② Excellent chemical resistance, preventing from rust and corrosion
- ③ Lock and seal for M36 or smaller screws for permanent

● 11242

- ① Medium strength
- ② General use, thixotropic
- ③ Lock and seal for M20 or smaller screws
- ④ For electroplating surface
- ⑤ Removable

● 11243

- ① Medium strength
- ② Oil tolerance, thixotropic
- ③ Lock and seal for M20 or smaller screws
- ④ For surface with minor contamination by oil, stainless steel and electroplating surface (passive materials)
- ⑤ Removable

● 11290

- ① Medium-high strength, low viscosity, penetration type
- ② Lock and seal for M2~ M12 screws after assembly, also can seal the micropore on weld run and castings
- ③ preventing the screws from rust and corrosion

● 112701

- ① High strength
- ② Excellent heat resistance and oil resistance
- ③ For passive materials
- ④ Lock and seal for M25 or smaller screws



TIPS OF USING

- 1) Heat up or use higher torque to remove the screws that applied with high strength tread locker
- 2) Clean the surface before apply the adhesives, the oil must be clean up before use
- 3) Apply the adhesive in blind hole is appropriate
- 4) Apply the adhesive on screw and hole if the engaging part is longer
- 5) Use with MXBON activator can shorten the curing time

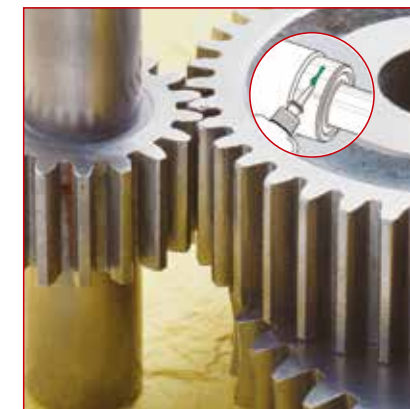
CHOOSE YOUR MXBON® THREAD LOCKERS

Item No.	Appearance	Fluorescence	Strength/ Characteristic	Viscosity (cP)	Breakaway N·m (lb·in)	Prevail N·m (lb·in)	Working Temperature (°C)	Fixture Time/ Fully cured		Certificate		
										NSF	WRAS	DVGW
11222	Purple	■	Low strength/ Easy disassembly	900-1500 Thixotropic	6 53	4 35	-54~150	15min	24hr	■	■	
11242	Blue	■	Medium strength/ General type	900-1400 Thixotropic	8~19 70~170	3~7 25~60	-54~150	5min	24hr	■	■	
11243		■	Medium strength/ Oil tolerance	1300-3000 Thixotropic	26 230	5 45	-54~180	10min	24hr	■	■	■
11262	Red	■	High strength/ Chemical resistance	1200-2400 Thixotropic	26 230	32 280	-54~150	10min	24hr	■		
11263		■	High strength/ Passive substrates	400-600	34 300	34 300	-54~180	10min	24hr	■		
11271		■	High strength/ Low viscosity	400-600	17~40 150~350	23~40 200~350	-54~150	10min	24hr	■	■	
11272			High strength/ Heat resistance	4000-15000 Thixotropic	34 300	36 320	-54~230	30min	24hr	■		
11277		■	High strength/ Large bolts and nuts	6000-8000	32 280	32 280	-54~150	30min	24hr	■		
11290	Green	■	Medium to high strength/ Penetration type	20-55	10 90	29 260	-54~150	20min	24hr	■	■	
112701		■	High strength/ Passive substrates	500-900	26~50 230~440	≥15 ≥130	-54~150	10min	24hr	■		

RETAINING COMPOUNDS

MXBON® Retaining Compounds mainly applied on cylindrical fitting parts assembly, such as bearing, bushing, keyway, rack, wheel hub and pulley. It can be replaced by the light press fit and slip fit than traditional press fit, pin and keyway (with high cost).

MXBON® Retaining Compound offers 100% fit and can stand very high torsion and shear strength after curing. It would not loosen by rotational parts and vibration, which contains strong affordability and simplify the process (can lower the request on precision of parts). The products assembly with MXBON Retaining Compound can resist the lubricant, gasoline, transmission fluid, weak acid/base and other chemicals with the function of sealing and anti-corrosion.



ITEM CODE & PROPERTY



● 12603

- ① Press-fit
- ② High strength, low viscosity, fixture in 10 minutes
- ③ Oil tolerance, anti-vibration, abrasion resistance and corrosion from metals
- ④ Use for casing, pulley, gear shaft and repair insufficient processing parts

● 12609

- ① Press-fit
- ② Medium-high strength, low viscosity, fixture in 10 minutes
- ③ Use for variety metals
- ④ Use for casing, pulley, gear shaft and repair insufficient processing parts

● 12648

- ① Press-fit
- ② High strength, low viscosity, fixture in 5 minutes
- ③ For passive substrate, such as stainless steel
- ④ Use for casing, pulley, gear shaft and repair insufficient processing parts



● 12620

- ① Slip-fit
- ② High strength, high viscosity, anti-sagging, high temperature resistance to 230°C
- ③ Lubricating property, prevent the abrasion and corrosion on metals
- ④ Use for casing, pulley, gear shaft and repair insufficient processing parts

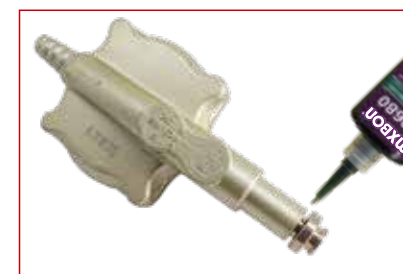
● 12638

- ① Slip-fit
- ② High strength, medium viscosity, fixture in 5 minutes
- ③ Impact resistance, excellent chemical resistance
- ④ Use for casing, pulley, gear shaft and repair insufficient processing parts



● 12680

- ① Slip-fit
- ② High strength, low-medium viscosity, fixture in 10 minutes
- ③ For general use
- ④ Use for casing, pulley, gear shaft and repair insufficient processing parts



TIPS OF USING

- 1) The retaining compounds would be much effective on clean, oil-free surface, especially use with MXBON cleaner and activator.
- 2) To secure 100% curing, use with MXBON activator on passive metal surface (such as stainless steel)
- 3) Do not apply MXBON retaining compounds on plastics substrate without testing. It may cause brittle on some thermoplastics when contact liquid anaerobic adhesives.

CHOOSE YOUR MXBON RETAINING COMPOUNDS

Item No.	Appearance	Fluorescence	Strength/ Characteristic	Viscosity (cP)	Shear strength N/mm ² (psi)	Working Temperature (°C)	Fixture Time/ Fully cured	Certificate			
								NSF	WRAS	DVGW	
12603	Green	■	High strength/ Oil tolerance	100~150	≥23 ≥3,300	-54~150	10min 24hr	■			
12609		■	Medium to high strength/ General type	100~150	≥16 ≥2,300	-54~150	10min 24hr	■			
12620				High strength/ Heat resistance	5,000~12,000 Thixotropic	≥17 ≥2,500	-54~230	30min 24hr	■		
12638		■		High strength/ Chemical resistance	2,000~3,000	≥25 ≥3,600	-54~180	5min 24hr	■	■	■
12648		■		High strength/ Passive substrates	400~600	≥25 ≥3,600	-54~180	5min 24hr	■	■	
12680		■		High strength/ General type	750~1,750	≥19 ≥2,800	-54~180	10min 24hr	■		

PIPE/THREAD

THREAD SEALANTS

MXBON® Pipe Sealant is a single component, solvent free and room temperature cure anaerobic adhesive. It is designed for the locking and sealing of metal pipes and fittings. It fills gaps between metal parts and threads efficiently. It can prevent leakage, withstand high pressure of pipeline and also avoid loosening & leakage from thermal expansion or vibration.

Simply apply it on threads of pipes and fittings and will be 100% sealed and will not leak at all. In addition, MXBON® Pipe Sealant will not shrink, Chip, age, or clog the piping system. It can resist the corrosion from various oils, weak acids, weak base, and achieve the function of sealing and rust prevention.

MXBON® pipe sealant can solve the sealing requirements of various pipelines whether it is the gas, liquid, hydraulic oil pressure, or drinking water pipeline. MXBON® pipe sealant not only can fix and seal very well but also has good chemical resistance and compressive strength. It can also replace the traditional thread seal tape.



ITEM CODE & PROPERTY



● 13542

- ① Fine thread · low-medium strength
- ② General type, for small diameter and precise thread usage.
- ③ For pneumatic and hydraulic pipe fittings sealing

● 13545

- ① Fine thread · low strength
- ② Can be used on surfaces which is with slight oil stain.
- ③ For sealing and locking which is smaller than M36 cone and thread fittings
- ④ For pneumatic and hydraulic pipe fittings sealing

● 13554

- ① Fine thread · medium strength?
- ② Excellent resistance to chemical solvents
- ③ For frozen pipes and fittings sealing

● 13565

- ① Coarse thread · low strength, easy to disassemble.
- ② High viscosity, fast sealing, assembly lubricity.
- ③ For NPT/PT conical pipes sealing.

● 13567

- ① Coarse thread · low strength, easy to disassemble.
- ② High viscosity, fast sealing, assembly lubricity.
- ③ High temperature resistance up to 200°C, excellent solvent resistance. Can seal and lock cone and thread fittings(including high pressure pipelines)
- ④ Suitable for stainless steel piping systems



● 13577

- ① Coarse thread · medium-high strength, general type.
- ② Fast sealing, assembly lubricity, high pressure resistance.
- ③ Suitable for most piping systems and can be used for drinking water piping systems.
- ④ The best choice of Pipe sealing product.

TIPS OF USING

- 1) This product is not recommended to use in pure oxygen and/or oxygen rich systems and should not be use with chlorine or other strong oxidizing materials.
- 2) If it is a plastic pipe, it should be tested before use it and use it with our activator.
- 3) Removing excess oil, grease, and other dirt from the threads before use it.
- 4) Apply sealant from the end of the thread until it reaches the 2nd or 3rd thread root.
- 5) To prevent sealant entering the piping system, do not apply sealant on the first two threads.
- 6) We recommend that use our MXBON® Anaerobic Activator on insensitive metal surfaces such as nickel-copper alloy, stainless steel, and plated metal fittings.

CHOOSE YOUR MXBON® THREAD SEALANTS

Item No.	Appearance	Usage/Screw thread	Characteristic	Viscosity (cP)	Breakaway N·m(lb·in)	Shear strength N/mm² (psi)	Compressive strength (psi)	Working Temperature (°C)	Fixture Time			Certificate		
									Brass	Steel	SUS	NSF	WRAS	DVGW
13542	Brown	Hydraulic/Pneumatic/ Fine thread	General type/ Low viscosity	100-150 Thixotropic	<15 <130	>6.5 >940	10,000	-54~150	15	30	150	■	■	
13545	Purple	Hydraulic/Pneumatic/ Fine thread	Chemical resistance/ Medium viscosity	9000-20000	<2 <18	>1.5 >220	10,000	-54~150	15	30	150	■		
13554	Red	Large pipe diameter/ Fine thread	High strength / Chemical resistance	1500-3500	<27 <240	>4 >580	10,000	-54~150	10	20	120	■		
13565	White	PST Thread Sealant/ Coarse thread	Low strength/ High viscosity	175000-525000	<5 <45	>1 >145	10,000	-54~150	20	30	180	■		
13567		PST Thread Sealant/ Passive substrates/ Coarse thread	Heat resistance/ High viscosity/	280000-800000	<2 >18	>2 >290	10,000	-54~200	150	180	360	■		
13577	Yellow	Coarse thread	General type/ Fast cured	16000-33000	<33 <295	>5 >725	10,000	-54~150	10	20	120	■	■	■

GASKETING / FLANGE SEALANTS

MXBON® Liquid Gasket is single component, solvent free and room temperature cure anaerobic sealant. It creates formed-in-place gaskets on flanges and housings and works perfectly with metal assemblies in order to meet sealing requirements. MXBON® Liquid Gasket is suitable for any size of flange face, and it can replace traditional gaskets, eliminate large inventory costs, and is convenient and economical.

MXBON® Liquid Gasket is a high-viscosity and non-shrinking product. Compared to the traditional pre-cut gaskets, it can withstand high pressures above 5000psi.

The advantages are:

- ① Single component, it is easy and convenient to apply.
- ② Don't need to align the gaskets as the traditional gaskets and reduce the failure rate.
- ③ Increase the flexibility of manufacturing and reduce the confusion of the production line
- ④ Applicable to various gluing methods, including manual and automatic gluing
- ⑤ 100% filled, sealed, leak-proof, and preventing rust and corrosion.
- ⑥ There will be no leakage caused by creep and elastic fatigue as the gasket, and do not need to tighten bolts frequently.
- ⑦ Don't need to consider the thickness of the gasket, simplifying the design and reducing the errors.
- ⑧ It can disperse the pressure on the flange face evenly and reduce the deformation probability of the flange face.
- ⑨ Precise surface machining is not required and machining cost can be reduced at the same time.
- ⑩ It can replace many sizes or shapes of gaskets, and help company to reduce the inventory costs and ordering difficulty.



安全·環保

ITEM CODE & PROPERTY

● 14510

- ① Temperature resistance up to 204°C, excellent solvent and chemical resistance.
- ② Designed for use on rigid castings, milled surfaces, and filling gaps up to 0.25 mm.
- ③ It won't be torn or aging; Easily to disassemble and remove the residual sealant.

● 14515

- ① Excellent solvent and chemical resistance. It will not corrodes parts.
- ② Designed for use on rigid castings, milled surfaces, and filling gaps less than 0.25 mm.
- ③ It won't be torn or aging; Easily to disassemble and remove the residual sealant.

● 14518

- ① Excellent solvent and chemical resistance, and it is not corrosive.
- ② Designed for use on aluminum alloys, rigid castings and metal stamping parts
- ③ It won't be torn or aging; Easily to disassemble and remove the residual sealant.

● 14574

- ① Excellent solvent and chemical resistance.
- ② Designed for use on rigid castings and metal stamping parts.
- ③ It won't be torn or aging; Easily to disassemble and remove the residual sealant.

TIPS OF USING



- 1) Remove and clean the oil from flange before use it.
- 2) Apply sealant continuously around the screw hole.
- 3) Apply appropriate torque making sure that the flange does not move.
- 4) Do not use anaerobic flange sealants as fillers.
- 5) We can use anaerobic flange sealant with traditional gaskets together.

CHOOSE YOUR MXBON® FLANGE SEALANTS

Item No.	Appearance	Type	Characteristic	Gap performance (mm)	Viscosity (cP)	Shear strength N/mm ² (psi) (ISO 10123)	Shear strength N/mm ² (psi) (ISO 4587)	Working Temperature (°C)	Fixture Time Without and with activator	Certificate
14510	Pink	Hardness	Heat resistance/ Chemical resistance	0.25mm *0.50mm	180,000 ~500,000	>5 >725	>6 >870	-54~204	4~24hrs. 30min.~4hrs.	NSF
14515	Purple	Flexible	General type/ Fast cured	0.25mm *1.25mm	275,000 ~950,000	>7.5 >1,085	>5 >725	-54~150	1~12hrs. 15min.~2hrs.	
14518	Red	Flexible	Chemical resistance/ Passive substrates	0.25mm *1.25mm	800,000 ~3,750,000	>5 >725	>8.5 >1,230	-54~150	4~24hrs. 30min.~4hrs.	
14574	Orange	Semi-rigid	Fast cured	0.25mm *0.50mm	175,000 ~525,000	>6 >870	>8.5 >1,230	-54~150	1~12hrs. 15min.~2hrs.	■

Note: The MXBON 017649 activator is used to increasing cure speed of MXLOC products. Especially, it could apply to large bond gaps.

ACTIVATOR FOR MXBON® ANAEROBIC PRODUCTS



MXBON®activator can stimulate and accelerate the curing speed of anaerobic adhesive. It is suitable for application in low temperature assembling environment, metal parts with depth and large gaps, passivated and non-active metals (such as stainless steel and electroplating surface) to ensure that the anaerobic adhesive is cured.

Item No.	Usage	Characteristic	Main Component	On-Part Life	Dry Time	Package Size			Certificate
						50ml Glass	250ml Spray	500ml Tin	
017649	For any anaerobic adhesives anaerobic structural adhesives	General purpose anaerobic activator. For accelerating anaerobic adhesive curing time, reducing fixture time, increasing capability of filling gaps. Can apply it before dispensing or spray it after dispensing. Especially for inactive or plating metal surfaces.	Acetone Heptane	30 days	<60 sec.	■	■	■	■