



LORD Chemosil® / LORD Chemlok®

Rubber-to-Substrate Adhesives
for the Industry

LORD
AskUsHow™



AUTOMOTIVE

Automotive OEM Assembly
Tier Component Assembly
Heat Protective Coatings · Aftermarket Repair



TRUCK, BUS & OFF-HIGHWAY

Agriculture
Construction & Mining Equipment
Material Handling · Bus and Truck



INDUSTRY

Transportation · Construction Components
Signs · Metal Working
General Industry



ELECTRONICS

Component Assembly · Industrial Lighting
Printed Electronics Industries · Energy · Protection &
Conductive Materials for Automotive Microelectronics



AEROSPACE & DEFENSE

Active Vibration Control & Balancing Systems
Bearings & TT Straps · Isolators & Mounts
Dampers · Lightning Strike Protection · MRO



ENERGY

Oil & Gas
Solar & Wind



PROVIDING SOLUTIONS THAT INCREASE THE VALUE OF OUR CUSTOMERS' PRODUCTS

Founded 1924 LORD has been a diversified technology leader with unique expertise in chemical material sciences and mechanical dynamics who provides innovative adhesive, coating and motion management solutions, as well as magnetically responsive technology.

Our technical expertise is built on decades of experience and knowledge in engineering and science. Customers say our technical support is one of our defining strengths.

We provide value to our customers by collaborating closely with them on product design, process engineering and product performance. Our solutions lead to reduced operating costs and increased productivity.

LORD Corporation is a privately-held company with world headquarters in Cary, North Carolina. Our company has regional headquarters in Geneva and Hong Kong, 17 manufacturing facilities in 9 countries and more than 90 strategically located sales and support centres worldwide. LORD employs close to 3,000 people.

Innovative and responsive to the ever-changing marketplace, LORD strongly focuses on research to bring leading-edge technology and long-term value to our customers' businesses ... Ask us how.

LORD Chemosil®/LORD Chemlok®

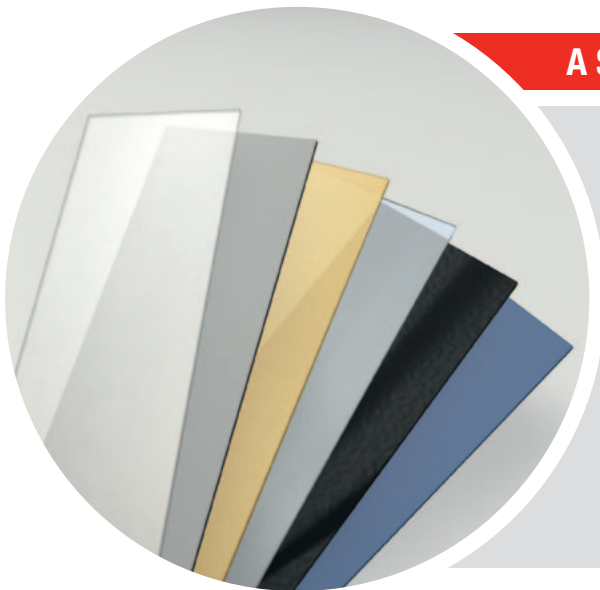
Leading adhesives for the industry since 1956.

A SOLUTION FOR EVERY PROCESS

- ✓ Solvent- and water-based
- ✓ One-coat and two-coat systems
- ✓ Spray, dip and brush
- ✓ Low- and high-pressure solutions
- ✓ Low- and high-temperature solutions
- ✓ Low mold fouling, high hot-shear resistance
- ✓ Excellent prebake resistance



A SOLUTION FOR EVERY ELASTOMER TO SUBSTRATE



- | | |
|--------------------------------|--------------------------------|
| ✓ Natural Rubber | ✓ Epichlorohydrin |
| ✓ Hydro Nitrile | ✓ Ethyleneacrylic |
| ✓ Hydrogenated Nitrile | ✓ Fluorocarbon |
| ✓ Chloroprene | ✓ Styrol Butadiene |
| ✓ Butyl | ✓ Urethane |
| ✓ Ethylene/
Propylene/Diene | ✓ Silicone
(peroxide cured) |

A SOLUTION FOR EVERY ENVIRONMENT

- ✓ High service temperature
- ✓ Salt spray and boiling water resistance
- ✓ High shear resistance
- ✓ High peel resistance
- ✓ Bond strengths that surpass cohesion and resistance of elastomers
- ✓ Excellent glycol and other organic fluids resistance



MARKETS & APPLICATIONS

TRANSPORTATION OFF-HIGHWAY



- Vibration damping
- Gaskets & seals
- Hoses
- Transmission belts
- Crawler tracks

OIL & GAS



- Pumps
- Drilling heads
- Valves
- Stators
- Gaskets & seals

MINING EQUIPMENT



- Pumps
- Conveyor belts
- Tank linings

WATERWORKS & CHEMISTRY



- Pumps
- Pipe linings
- Tank linings
- Valves
- Gasket & seals

CONSTRUCTION



- Expansion joints
- Seismic pads
- Bridge bearings

ELECTRICAL & ELECTRONIC

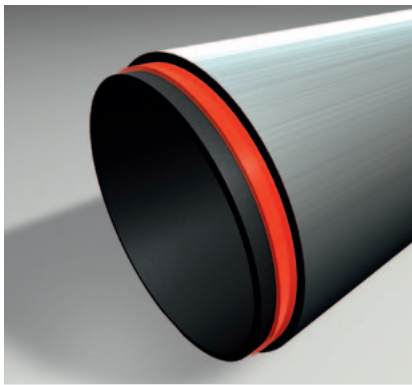


- Insulators
- Cables
- Connectors
- Sensors

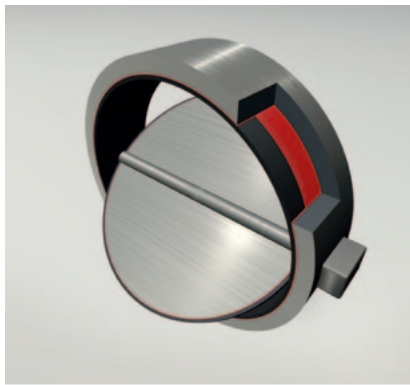
GENERAL INDUSTRY



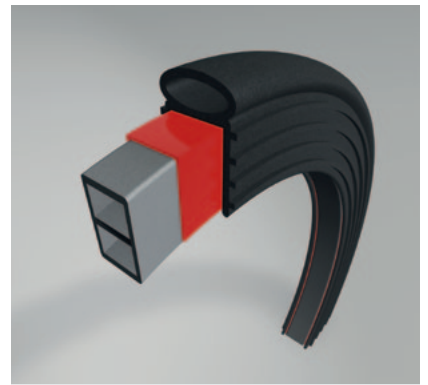
- Rollers
- Castors
- Wheels
- Solid tires
- Port fenders



PIPE & TANK LINING



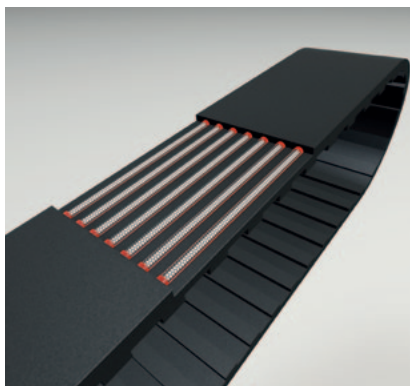
VALVES



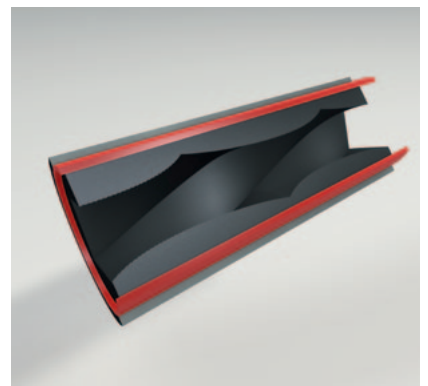
SEALS



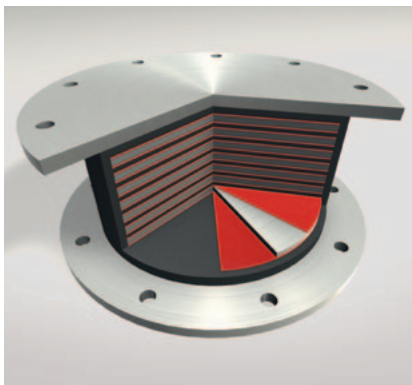
VIBRATION DAMPING



BELTS & CRAWLERS



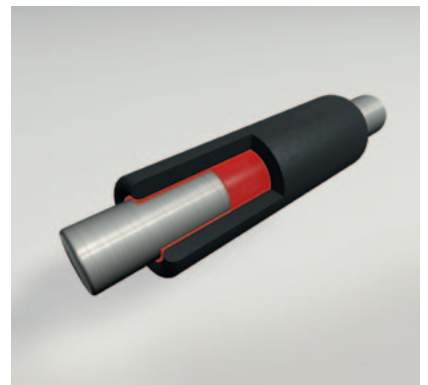
STATORS



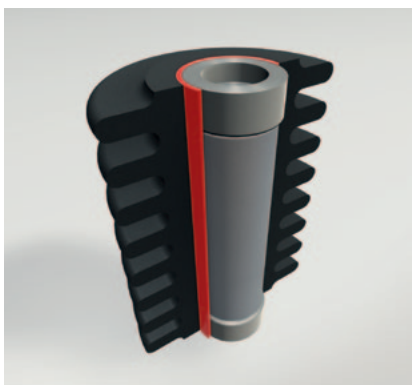
BRIDGE BEARINGS



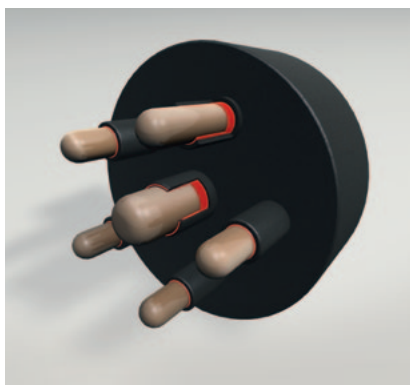
EXPANSION JOINTS



ROLLERS



INSULATORS



CONNECTORS



HOSES

PRODUCT SELECTOR

SOLVENT BASED

ELASTOMER		TWO-COAT		ONE-COAT
		PRIMER	BONDING AGENT	
Natural Rubber	NR	Chemosil 211	Chemosil NL 411 Chemosil 225	Chemosil NL 256
Ethylene - Propylene - Diene (sulfur cured)	EPDM	Chemosil 211	Chemosil NL 411 Chemosil NL 256	
Ethylene - Propylene - Diene (peroxide cured)	EPDM	Chemosil 211	Chemosil NL 411 Chemosil NL 256 Chemosil X 6025	
Hydrogenated Nitrile	HNBR	Chemosil 211	Chemosil NL 411 Chemosil NL 256	Chemosil 350 Chemosil 360 Chemosil 342
Nitrile	NBR	Chemosil 211	Chemosil NL 411 Chemosil NL 256 Chemosil 425	Chemosil 211 Chemosil 350 Chemosil 360 Chemosil 342
Chloroprene	CR	Chemosil 211	Chemosil 225 Chemosil 231 G Chemosil 425	Chemosil 310 Chemosil 341
Butyl	IIR	Chemosil 211	Chemosil 225 Chemosil NL 411 Chemosil NL 256	
Epichlorohydrin	ECO	Chemosil 211	Chemosil NL 411 Chemosil NL 256	Chemosil 211 Chemosil 310 Chemosil 360
Ethylene Acrylic	AEM	Chemosil 211	Chemosil NL 411	Chemosil 310 Chemosil 342 Chemosil 360
Fluorocarbon (bisphenol cured)	FPM			Chemosil 511 Chemosil 512
Fluorocarbon (peroxide cured)	FPM			Chemosil X 5130 Chemosil X 5150
Styrene Butadiene	SBR	Chemosil 211	Chemosil 225 Chemosil NL 411	Chemosil NL 256
Silicone (peroxid cured)	VMQ			Chemosil 511
Urethane (castable)	PU	Chemosil X 1960	Chemosil X 5960 Chemosil 597 E	Chemosil X 5960 Chemosil 597 E
Urethane (milliable)	PU	Chemosil 211	Chemosil NL 411 Chemosil NL 256	Chemosil 310 Chemosil 360
Urethane (thermoplastic)	TPU			Chemosil X 5960

POST VULCANIZATION BONDING

We can also offer you post vulcanization, elastomer bonding solutions with our structural adhesives range.

PRODUCTS	TYPE	
LORD 7650	one-component PU	Lining application
LORD 305-1 / 305-2	two-component Epoxy	General rubber bonding – Fluid
LORD 320 / 310-B	two-component Epoxy	General rubber bonding – Paste
Chemlok 7701	Primer	Bond enhancer

AQUEOUS BASED

ELASTOMER		TWO-COAT		ONE-COAT
		PRIMER	BONDING AGENT	
Natural Rubber	NR	Chemosil XW 1190 Chemlok 8008	Chemosil XW 7500 Chemlok 8212	
Ethylene - Propylene - Diene (sulfur cured)	EPDM	Chemosil XW 1190 Chemlok 8008	Chemosil XW 7500 Chemlok 8212 Chemlok 8560 S	
Ethylene - Propylene - Diene (peroxide cured)	EPDM	Chemosil XW 1190 Chemlok 8008	Chemosil XW 7500 Chemlok 8212 Chemlok 8560 S	
Hydrogenated Nitrile	HNBR	Chemosil XW 1190 Chemlok 8008	Chemosil XW 7500 Chemlok 8212	
Nitrile	NBR	Chemosil XW 1190 Chemlok 8008	Chemosil XW 7500 Chemlok 8212	
Chloroprene	CR	Chemosil XW 1190 Chemlok 8008	Chemosil XW 7500 Chemlok 8212	
Butyl	IIR	Chemosil XW 1190 Chemlok 8008	Chemosil XW 7500 Chemlok 8212	
Epichlorohydrin	ECO	Chemosil XW 1190 Chemlok 8008	Chemosil XW 7500 Chemlok 8212	
Ethylene Acrylic	AEM	Chemosil XW 1190 Chemlok 8008	Chemosil XW 7500 Chemlok 8212	
Fluorocarbon (bisphenol cured)	FPM			
Fluorocarbon (peroxide cured)	FPM			Chemlok 8116
Styrene Butadiene	SBR	Chemosil XW 1190 Chemlok 8008	Chemosil XW 7500 Chemlok 8212	
Silicone (peroxid cured)	VMQ			Chemlok 8116
Urethane (castable)	PU			
Urethane (milliable)	PU			
Urethane (thermoplastic)	TPU			

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HIGH PERFORMANCE – LOW VOC

Our aqueous Chemlok®/Chemlok® adhesives are our greenest solutions using water as a base with little to no VOCs.

Whether you need to comply with stricter governmental regulations or want to become more sustainable ... Ask Us How.

SUSTAINABLE

We offer a line of solvent-based Chemlok®/Chemlok® adhesives that contain no heavy metals.

LOW CARBON FOOTPRINT

We offer a solvent free line of aqueous Chemlok®/Chemlok® adhesives designed to meet low hazardous air pollutant guidelines.

Values stated herein represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Support Center. Information provided herein is based upon tests believed to be reliable. In as much as LORD Corporation has no control over the manner in which others may use this information, it does not guarantee the results to be obtained. In addition, LORD Corporation does not guarantee the performance of the product or the results obtained from the use of the product or this information where the product has been repackaged by any third party, including but not limited to any product end-user. Nor does the company make any express or implied warranty of merchantability or fitness for a particular purpose concerning the effects or results of such use.

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LORD provides valuable expertise in adhesives and coatings, vibration and motion control, and magnetically responsive technologies. Chemlok® Adhesives. Our people work in collaboration with our customers to help them increase the value of their products. Innovative and responsive in an ever-changing marketplace, we are focused on providing solutions for our customers worldwide ... Ask Us How.

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