LORD Chemosil® / LORD Chemlok®
Rubber-to-Substrate Adhesives for the Industry
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 8 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.
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
- Hydro Nitrile
- Hydrogenated Nitrile
- Chloroprene
- Butyl
- Ethylene/Propylene/Diene
- Epichlorohydrin
- Ethyleneacrylic
- Fluorocarbon
- Styrol Butadiene
- Urethane
- 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
**SOLVENT BASED**

<table>
<thead>
<tr>
<th>ELASTOMER</th>
<th>PRIMER</th>
<th>TWO-COAT PRIMER</th>
<th>TWO-COAT BONDING AGENT</th>
<th>ONE-COAT</th>
<th>PRIMER</th>
<th>ONE-COAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Rubber</td>
<td>NR</td>
<td>Chemosil 211</td>
<td>Chemosil NL 411</td>
<td>Chemosil NL 526</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylene - Propylene - Diene</td>
<td>EPDM</td>
<td>Chemosil 211</td>
<td>Chemosil NL 411</td>
<td>Chemosil NL 256</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(sulfur cured)</td>
<td></td>
<td></td>
<td>Chemosil NL 256</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylene - Propylene - Diene</td>
<td>EPDM</td>
<td>Chemosil 211</td>
<td>Chemosil NL 411</td>
<td>Chemosil NL 256</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(peroxide cured)</td>
<td></td>
<td></td>
<td>Chemosil NL 256</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrogenated Nitrile</td>
<td>HNBR</td>
<td>Chemosil 211</td>
<td>Chemosil NL 411</td>
<td>Chemosil 530</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nitrile</td>
<td>NBR</td>
<td>Chemosil 211</td>
<td>Chemosil NL 411</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chloroprene</td>
<td>CR</td>
<td>Chemosil 211</td>
<td>Chemosil 225</td>
<td>Chemosil 310</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Butyl</td>
<td>IIR</td>
<td>Chemosil 211</td>
<td>Chemosil 225</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Epichlorohydrin</td>
<td>ECO</td>
<td>Chemosil 211</td>
<td>Chemosil NL 411</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylene Acrylic</td>
<td>AEM</td>
<td>Chemosil 211</td>
<td>Chemosil NL 411</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluorocarbon (bisphenol cured)</td>
<td>FPM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fluorocarbon (peroxide cured)</td>
<td>FPM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Styrene Butadiene</td>
<td>SBR</td>
<td>Chemosil 211</td>
<td>Chemosil 225</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silicone (peroxid cured)</td>
<td>VMQ</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Urethane (castable)</td>
<td>PU</td>
<td>Chemosil X 1960</td>
<td>Chemosil X 5960</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Urethane (milliable)</td>
<td>PU</td>
<td>Chemosil 211</td>
<td>Chemosil NL 411</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Urethane (thermoplastic)</td>
<td>TPU</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**POST VULCANIZATION BONDING**

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

<table>
<thead>
<tr>
<th>PRODUCTS</th>
<th>TYPE</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LORD® 7650</td>
<td>one-component PU</td>
<td>Lining application</td>
</tr>
<tr>
<td>LORD 305-1 / 305-2</td>
<td>two-component Epoxy</td>
<td>General rubber bonding – Fluid</td>
</tr>
<tr>
<td>LORD 320 / 310-B</td>
<td>two-component Epoxy</td>
<td>General rubber bonding – Paste</td>
</tr>
<tr>
<td>Chemlok 7701</td>
<td>Primer</td>
<td>Bond enhancer</td>
</tr>
</tbody>
</table>
### AQUEOUS BASED

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

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. 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. In all cases full product testing remains necessary.
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.

Chemlok, Chemosil, LORD and “Ask Us How” are trademarks of LORD Corporation or one of its subsidiaries.

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.

LORD Europe

EUROPEAN HEADQUARTERS
LORD Suisse Sarl
CH-1218 Le Grand Saconnex
Geneva
Switzerland
+41 22 761 50 60
europecsc@lord.com

EUROPE CUSTOMER ENGAGEMENT CENTERS
LORD Germany GmbH
Itterpark 8-10
40724 Hilden
Germany
+49 2103 252 310
info.europe@lord.com

LOCAL REPRESENTATIVES
Czech Republic +48 601 6579 37
France +33 6 21 43 38 89
+33 1 43 97 69 48
+33 7 78 87 49 60
Germany +49 2103 252 3181
Israel +972 86 90 08 01
Italy / Benelux +33 1 43 97 69 48
+33 7 78 87 49 60
Middle East +44 161 868 1790
Poland +48 601 6579 37
Russia +79 0396 00007
Spain +34 93 000 26 49
Scandinavia +44 161 868 1790
Turkey +90 216 302 38 10
UK/Ireland +44 161 868 1790

www.lord.com | www.chemosil.com