Elastomer Adhesives & Coatings for the Oil & Gas Industry
Adhesives for the Oil & Gas Industry

LORD Chemlok® 6450 and 6451 covercoat adhesives withstand higher operating temperatures. Designed for bonding NBR (nitrile rubber) and HNBR (hydrogenated nitrile rubber), they resist a variety of fluids including oils, fuels and acids. These new adhesives also provide excellent resistance to water, humidity, salt spray and high temperatures. These Chemlok adhesives use new chemistries that are non-chlorosulfonated polyethylene (CSM) based. LORD Chemlok 6450 and 6451 bond uncured rubber-to-metal substrates during the vulcanization of the elastomer. When used with Chemlok 207 primer, these adhesives bond a variety of NBR and HNBR compounds to multiple substrates including aluminum, brass and grit-blasted or phosphatized steel.

For very high-temperature applications, where FKM (fluoroelastomers) are used, LORD also offers both solvent and aqueous solutions that have proven performance in the field. Chemlok 5150 and 5151 solvent-based adhesives bond fluoroelastomer polymers while also offering strong environmental resistance. Chemlok 8116 aqueous-based adhesive bonds peroxide cured elastomers and performs well in extreme environments.
<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DESCRIPTION</th>
<th>COLOR</th>
<th>VISCOSITY, CPS</th>
<th>FLASH POINT, °C (°F)</th>
<th>DILUENT</th>
<th>SHELF LIFE</th>
</tr>
</thead>
<tbody>
<tr>
<td>144</td>
<td>Solvent-borne primer with UV tracer</td>
<td>Clear, Light Straw</td>
<td>1-8 cSt</td>
<td>1.6 (35)</td>
<td>Urethane Grade Toluene, Methanol, Ethanol</td>
<td>1 year</td>
</tr>
<tr>
<td>205</td>
<td>General purpose primer/nitrile adhesive</td>
<td>Gray</td>
<td>85-165</td>
<td>19 (66)</td>
<td>MIBK, MEK</td>
<td>1 year</td>
</tr>
<tr>
<td>205LH</td>
<td>Low-HAP primer</td>
<td>Blue</td>
<td>10-550</td>
<td>13 (56)</td>
<td>MPK, N-butyl Propionate</td>
<td>6 months</td>
</tr>
<tr>
<td>207</td>
<td>Heat-resistant primer</td>
<td>Gray</td>
<td>70-450</td>
<td>14 (58)</td>
<td>MIBK, MEK</td>
<td>6 months</td>
</tr>
<tr>
<td>207LH</td>
<td>Low-HAP primer</td>
<td>Blue</td>
<td>50-450</td>
<td>19 (67)</td>
<td>MAK, MPK</td>
<td>6 months</td>
</tr>
<tr>
<td>8009</td>
<td>Aqueous primer</td>
<td>Gray</td>
<td>10-100</td>
<td>≈93 (&gt;200)</td>
<td>Deionized Water</td>
<td>6 months</td>
</tr>
<tr>
<td>8009B</td>
<td>Aqueous primer</td>
<td>Blue</td>
<td>10-100</td>
<td>≈93 (&gt;200)</td>
<td>Deionized Water</td>
<td>6 months</td>
</tr>
<tr>
<td>AP-133</td>
<td>Adhesive for silicone/specialties</td>
<td>Clear</td>
<td>≈ 5 cSt</td>
<td>14 (57)</td>
<td>Toluene, Methanol, Ethanol</td>
<td>1 year</td>
</tr>
<tr>
<td>205</td>
<td>General purpose primer/nitrile adhesive</td>
<td>Gray</td>
<td>85-165</td>
<td>19 (66)</td>
<td>MIBK, MEK</td>
<td>1 year</td>
</tr>
<tr>
<td>213</td>
<td>Urethane-to-metal adhesive</td>
<td>Blue</td>
<td>100-300</td>
<td>5 (41)</td>
<td>Chemlok 248</td>
<td>1 year</td>
</tr>
<tr>
<td>218</td>
<td>Urethane-to-metal adhesive</td>
<td>Clear to Slightly Hazy Amber</td>
<td>750-1,050</td>
<td>2 (36)</td>
<td>1:1 Isopropanol; Toluene Blend or Glycol Ether Solvents</td>
<td>1 year</td>
</tr>
<tr>
<td>219</td>
<td>Primer/castable urethane and TPU adhesive</td>
<td>Clear to Amber</td>
<td>50-110</td>
<td>14 (58)</td>
<td>MIBK, Denatured Ethanol</td>
<td>1 year</td>
</tr>
<tr>
<td>220LH</td>
<td>Low-HAP adhesive</td>
<td>Black</td>
<td>100-650</td>
<td>19 (67)</td>
<td>O-Chlorotoluene, t-Butyl Acetate</td>
<td>1 year</td>
</tr>
<tr>
<td>233</td>
<td>General purpose adhesive</td>
<td>Black</td>
<td>100-300</td>
<td>33 (92)</td>
<td>Xylene, Toluene</td>
<td>1 year</td>
</tr>
<tr>
<td>234B (NW)</td>
<td>General purpose adhesive</td>
<td>Black</td>
<td>700-1500</td>
<td>28 (83)</td>
<td>Xylene, Trichloroethylene</td>
<td>1 year</td>
</tr>
<tr>
<td>238 (NW)</td>
<td>Adhesive for butyl and EPDM</td>
<td>Black</td>
<td>150-800</td>
<td>33 (92)</td>
<td>Xylene</td>
<td>1 year</td>
</tr>
<tr>
<td>259</td>
<td>General purpose adhesive</td>
<td>Green-Black</td>
<td>100-500</td>
<td>6.6 (44)</td>
<td>Xylene, Toluene</td>
<td>6 months</td>
</tr>
<tr>
<td>286</td>
<td>Tacky tie cement for natural rubber</td>
<td>Black</td>
<td>450-1,200</td>
<td>4 (40)</td>
<td>Xylene, Toluene</td>
<td>6 months</td>
</tr>
<tr>
<td>289</td>
<td>Primer for natural rubber lining</td>
<td>Green</td>
<td>20-450</td>
<td>6 (42)</td>
<td>MEK/Xylene Mix</td>
<td>1 year</td>
</tr>
<tr>
<td>290</td>
<td>Adhesive for natural rubber lining</td>
<td>Red</td>
<td>20-50</td>
<td>7 (44)</td>
<td>Xylene, Toluene</td>
<td>1 year</td>
</tr>
<tr>
<td>607</td>
<td>Colorless one-coat adhesive</td>
<td>Colorless</td>
<td>≈ 1</td>
<td>9 (49)</td>
<td>Methanol, Ethanol</td>
<td>2 years</td>
</tr>
<tr>
<td>608</td>
<td>One-coat adhesive</td>
<td>Clear to Hazy Yellow</td>
<td>≈ 1</td>
<td>3 (38)</td>
<td>Methanol, Naptha, Isopropanol, Ethanol</td>
<td>2 years</td>
</tr>
<tr>
<td>610</td>
<td>One-coat aqueous adhesive</td>
<td>Orange to Red</td>
<td>≈ 1</td>
<td>&gt;93 (&gt;200)</td>
<td>Deionized Water</td>
<td>2 years</td>
</tr>
<tr>
<td>5150</td>
<td>Solvent-based adhesive</td>
<td>Colorless to Pale Yellow</td>
<td>2 typical cSt</td>
<td>6 (43)</td>
<td>Methanol</td>
<td>1 year</td>
</tr>
<tr>
<td>5151</td>
<td>One-coat adhesive</td>
<td>Reddish-Yellow</td>
<td>25-30 seconds Zahn #1</td>
<td>-5 (+22)</td>
<td>MEK</td>
<td>6 months</td>
</tr>
<tr>
<td>6108</td>
<td>Lead-free covercoat adhesive</td>
<td>Black</td>
<td>300-1,000</td>
<td>27 (80)</td>
<td>Xylene</td>
<td>1 year</td>
</tr>
<tr>
<td>6125</td>
<td>Improved heat-resistance Chemlok 220</td>
<td>Black</td>
<td>70-300</td>
<td>27 (81)</td>
<td>Xylene, Toluene</td>
<td>1 year</td>
</tr>
<tr>
<td>6253</td>
<td>Lead-free covercoat adhesive</td>
<td>Black</td>
<td>10-46</td>
<td>27 (80)</td>
<td>Xylene</td>
<td>6 months</td>
</tr>
<tr>
<td>6254</td>
<td>Heat- and oil-resistant adhesive</td>
<td>Black</td>
<td>150-450</td>
<td>7 (44)</td>
<td>Xylene, Toluene</td>
<td>6 months</td>
</tr>
<tr>
<td>6411</td>
<td>Lead-free covercoat adhesive</td>
<td>Black</td>
<td>200-600</td>
<td>25 (77)</td>
<td>Xylene, Toluene</td>
<td>1 year</td>
</tr>
<tr>
<td>6411LH</td>
<td>Low-HAP adhesive</td>
<td>Black</td>
<td>100-700</td>
<td>14 (58)</td>
<td>N-Butyl Propionate, Dimethyl Carbonate, Isopavre E</td>
<td>6 months</td>
</tr>
<tr>
<td>6450</td>
<td>Covercoat adhesive</td>
<td>Green-Black</td>
<td>5-100</td>
<td>-7 (18)</td>
<td>MEK, Xylene</td>
<td>6 months</td>
</tr>
<tr>
<td>6451</td>
<td>Covercoat adhesive</td>
<td>Green-Black</td>
<td>5-100</td>
<td>-7 (18)</td>
<td>MEK, Xylene</td>
<td>6 months</td>
</tr>
<tr>
<td>8116</td>
<td>One-coat, aqueous adhesive</td>
<td>Black</td>
<td>100-900</td>
<td>&gt;93 (&gt;200)</td>
<td>Deionized Water</td>
<td>6 months</td>
</tr>
<tr>
<td>8212</td>
<td>Aqueous covercoat adhesive</td>
<td>Black</td>
<td>25-200</td>
<td>&gt;93 (&gt;200)</td>
<td>Deionized Water</td>
<td>6 months</td>
</tr>
<tr>
<td>8214</td>
<td>Aqueous covercoat adhesive</td>
<td>Black-Green</td>
<td>20-200</td>
<td>&gt;93 (&gt;200)</td>
<td>Deionized Water</td>
<td>6 months</td>
</tr>
<tr>
<td>8560D</td>
<td>General purpose, one-coat aqueous adhesive</td>
<td>Black/Green</td>
<td>100-500</td>
<td>&gt;93 (&gt;200)</td>
<td>Deionized Water</td>
<td>3 months</td>
</tr>
<tr>
<td>8560S</td>
<td>General purpose, one-coat aqueous adhesive</td>
<td>Black</td>
<td>50-250</td>
<td>&gt;93 (&gt;200)</td>
<td>Deionized Water</td>
<td>3 months</td>
</tr>
<tr>
<td>Ty-Ply® BN</td>
<td>Adhesive for nitrile</td>
<td>Black</td>
<td>20-35 seconds</td>
<td>5.5 (42)</td>
<td>MEK, MIBK, Dry Alcohols</td>
<td>1 year</td>
</tr>
</tbody>
</table>

Data is typical and not to be used for specification purposes.
Performance In Challenging Environments

Need a coating that withstands harsh fluids? How about an abrasion-resistant coating? Our innovative elastomer coatings extend the life of your parts. LORD® High-Performance Coatings (HPCs) provide fuel and ozone resistance while LORD Heat-Reflective Coatings (HRCs) reflect radiant heat.

**FEATURES & BENEFITS**
- Durable
- Fluid resistant
- Ozone resistant
- Radiant heat dissipating
- Cost-effective

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>BASE ELASTOMER</th>
<th>PRIMARY APPLICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPC-3</td>
<td>FKM</td>
<td>Best fuel, solvent and high temperature fluid resistance</td>
</tr>
<tr>
<td>HPC-5</td>
<td>HNBR</td>
<td>General purpose, great ozone resistance and good fluid resistance</td>
</tr>
<tr>
<td>HPC-6</td>
<td>AEM</td>
<td>Cosmetic coating that provides improved ozone and fluid resistance to an existing substrate. Best used where the material is needed for cosmetic purposes.</td>
</tr>
<tr>
<td>HRC</td>
<td>FKM</td>
<td>Excellent for radiant heat dissipation. Reduces part temperature when radiant heat is cause of the high temperature.</td>
</tr>
</tbody>
</table>
### NORTH AMERICA

#### CANADA
- Quadra Chemicals, Ltd.
  - Phone: 905 336 9133
  - www.quadrachemicals.com

#### UNITED STATES
  - Phone: 562 944 5354
  - www.rdabbott.com
- Chemrep, Inc.
  - Phone: 800 433 8982 or 847 551 9060
  - www.chemrep.com
- Lintech International, LLC
  - Phone: 877 LINTECH (546 8324)
  - orders@2lintech.com
  - www.2lintech.com
- Alternative Rubber & Plastics, Inc.
  - Phone: 888 611 0220 or 716 691 2141
  - www.altrubber.com

#### MEXICO
- Gonzalez Cano y Compania, S.A. de C.V.
  - Phone: 52(55) 5534 8637 or 52(55) 5534 8657
  - www.gocasa.com.mx
  - Phone: 562 944 5354
  - www.rdabbott.com
- Quimipol
  - Phone: 011 55 8283 4570 or 011 55 8283 4572
  - www.quimicosypolimeros.com

### SOUTH AMERICA

#### ARGENTINA
- Rodivin
  - Phone: 54 11 4582 1720
  - www.rodivin.com.ar
- Quimica del Caucho
  - Phone: 54 341 4981000
  - www.quimicaud.com.ar
- Quimica Turaco
  - Phone: 54 11 4205 8692
  - www.turaco.com.ar

#### BRAZIL
- Mapribor
  - Phone: 55 11 4899 4988
  - www.mapribor.com.br
- Fragon
  - Phone: 55 11 2462 2000
  - www.fragon.com.br

#### CHILE
- Amster
  - Phone: (56 2) 963 3900
  - www.amster.cl

#### COLOMBIA
- OHG Representaciones & Cia. Ltda.
  - Phone: 057 1 3171860
  - www.ohgrepre.com
- Esquim de Columbia y Cia. Ltda.
  - Phone: (57) 1 5615115
  - www.esquimcol.com.co

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#### COSTA RICA
- Chemsol
  - Phone: 011 506 2239 5454
  - www.chemsol.net

### SOUTH AMERICA

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- Alvaro Alvarez Representaciones Cia Ltda.
  - Phone: (593) (2) 2246830

#### PERU
- Comercial Conte
  - Phone: (511) 708 2600
  - www.conte.com.pe

#### URUGUAY
- Tecnigom
  - Phone: 598 (2) 208 6227
  - www.tecnigom.com.uy

#### VENEZUELA
- Sotybar C.A.
  - Phone: 58 212 793 2711 or 58 212 793 3010

For more information, contact the distributor nearest you or visit LORD.com.
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LORD provides valuable expertise in adhesives and coatings, vibration and motion control, and magnetically responsive technologies. 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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