INNOVATIVE FORMULATIONS & CUSTOMIZED SOLUTIONS

MOLD RELEASE AGENTS FOR RUBBER, COMPOSITE, AND URETHANE MOLDING APPLICATIONS
CUSTOM FORMULATED MOLD RELEASE AGENTS

WE BRING EFFICIENCY AND QUALITY IMPROVEMENT TO YOUR OPERATION.

Our mold release agents provide much more than just release of a molded part from the mold surface. DiamondKote™ and Crystal are comprehensive lines of water-based mold release agents that provide permanent, semi-permanent or sacrificial performance on all types of rubber elastomers, urethanes, fiberglass and other resins. Our innovative technologies allow us to provide you the release agent that will optimize your production process.

RELEASE AGENTS CUSTOMIZED TO YOUR PROCESS WILL:

- Lower scrap rates
- Save you time and money spent on cleaning by reducing downtime cost of cleaning-labor and material
- Reduce transfer which is important for post painting or rubber to metal bonding needs
- Help achieve desired cosmetic appearance (gloss, matte, overall feel, etc.)

The partner you need to increase capacity and get ahead of the competition.
<table>
<thead>
<tr>
<th>INDUSTRY</th>
<th>CATEGORY</th>
<th>MATERIAL TYPES</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-Vibration</td>
<td>Automotive</td>
<td>Peroxide and sulfur cured EPDM, Butyl, Natural, SBR, HNBR, Neoprene, Nitrile, FKM, Viton®</td>
<td>Increased number of cycles between applications, Reduced scrap rate, Increased tool longevity, Controlled transfer-minimizes problems with secondary operations including post-adhesion and post-painting</td>
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<tr>
<td>Power Transmission Belts</td>
<td>Automotive</td>
<td>EPDM, CR, Natural, SBR, NBR</td>
<td>Increased production efficiencies, Fewer applications, Less frequent mold cleaning, Better release performance</td>
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<tr>
<td>Solid and Pneumatic Tires</td>
<td>Automotive</td>
<td>Commercial and Passenger Tire Cavity Lube - Sidewall</td>
<td>Documented 67% reduction in consumption, Documented increased productivity by as much as 4,200 tires per year, Increased cavity lube-sidewall-bladder life, Tool longevity increased, cleaning expense minimized</td>
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<tr>
<td>Auto Interior Components Molding</td>
<td>Automotive</td>
<td>Dashes, Steering Wheels, Window Encapsulation</td>
<td>Provided appropriate gloss and appearance, Improved release offers superior performance in manufacturing process, Limited transfer for better adhesion</td>
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<tr>
<td>Building &amp; Capital Equipment</td>
<td>Fiberglass Board and Insulation Products</td>
<td>Type of resin: Acrylic</td>
<td>Reduced downtime and increased productivity savings up to 80%, Reduced mold release usage, Improved finish product quality, Eliminated unpleasant odors, Provided for good adhesion</td>
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<tr>
<td>Conveyor Belts</td>
<td>Fiberglass Board and Insulation Products</td>
<td>EPDM, CR, Natural, SBR, NBR</td>
<td>Increased production efficiencies, Fewer applications, Less frequent mold cleaning, Better release performance</td>
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<td>Golf Ball Core and Cover Molding</td>
<td>Sporting Goods &amp; Athletic Apparel</td>
<td>Natural, SBR, Urethane, Butyl, Surlyn</td>
<td>Water-based, non-flammable, environmentally friendly formulation, Excellent release-ease lasting multiple cycles per single application, Controlled transfer to molded part, Improved part cosmetics, reduced scrap rates, Reduced amount of ammonium perfluorooctanoate(APFO)</td>
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<tr>
<td>Shoe Components</td>
<td>Sporting Goods &amp; Athletic Apparel</td>
<td>Polyurethane, EVA</td>
<td>Provided appropriate gloss and appearance, Improved release offers superior performance in manufacturing process, Limited transfer for better adhesion</td>
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<tr>
<td>Seals &amp; Gaskets</td>
<td>Automotive Oil and Gas Manufacturing</td>
<td>Vamac, FKM, all sulfur and peroxide compounds, Natural, SBR, Neoprene, Nitrile, Butyl, Bisphenol A-cured fluoropolymers</td>
<td>Increased number of cycles between applications, Reduced mold release usage, Improved production efficiencies, Reduced transfer to the parts for better post bonding, Less build-up on the molds reducing downtime for cleaning, Lower scrap rates, Improved part cosmetics</td>
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<tr>
<td>General Rubber Goods</td>
<td>Pharma (Test Tube Stoppers)/Science/Wind</td>
<td>Peroxide and sulfur cured EPDM, Butyl, Natural, SBR, HNBR, Neoprene, Nitrile, FKM, Viton®</td>
<td>Reduced build-up on molds and semi-permanent release resulting in increased number of cycles between applications, Scrap rate reduction, Increased tool longevity</td>
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DIAMONDKOTE™ MOLD RELEASE AGENTS FOR GENERAL RUBBER MOLDING OF SEALS, GASKETS, AND ANTI-VIBRATION APPLICATIONS

DKW-3551B
MOST VERSATILE formulation for sulfur cured rubber compounds including Natural, SBR, EPDM, Nitrile, and Butyl. Little transfer for rubber to metal bonded parts.

DKW-3178G3X
Provides high mechanical slip of tough to remove parts. For sulfur cured Natural, SBR, EPDM, Nitrile, and Butyl compounds.

DKW-4013A
Most effective on silicone and Fluorosilicone elastomers.

DKW-4237
MOST VERSATILE for peroxide cured compounds. Excellent for FKM and other exotic compounds.

DKW-71E
Excellent release for all Halobutyl compounds for the pharmaceutical industry.

DKW-4013A
Highly versatile formulation for peroxide cured compounds. Excellent for FKM and other exotic compounds.

DKW-4650BL
Bladder pre-treatment for increased bladder life.

DIAMONDKOTE™ FOR TIRE MOLDING

DKW-4550CL
Cavity lube with good slip, longevity and low transfer.

DKW-4580CL
Cavity lube with high mechanical slip for deep treads.

DKW-4650BL
Bladder pre-treatment for increased bladder life.