INDUSTRIAL COATINGS
Industrial Coating - Application

- Specially Formulated Wide Range of Coatings
- Excellent High Heat & Corrosion Resistance
- Low Friction of Co-efficient with Superior Hardness
- Wide Range of Color with Flexible Baking Conditions

- Muffler & Silencers
- Fasteners
- Gasket
- Photo Copier & Rubber Roller
- Piston & Swash Plate
- Mould Release
- Textile Roller
- Industrial O Ring
- Golf Ball
- Petrol & Gasoline Resistance
- Bearing Cap/ Cages
- Garden Tools
- Flexible Finish
## Low Friction Coatings

- Specially Formulated exhibits Low Co-efficient Friction
- Resin + PTFE specially provide reduction in Friction
- Have Very Good Salt Spray & Chemical Resistance
- Easy Application with Low Curing Temp. function
- Mainly used in Fasteners, Gaskets & Auto Engine Parts

### 1 / C System Industrial Coating Chemical & Low Friction Ind. Application

<table>
<thead>
<tr>
<th>Application</th>
<th>Fasteners, Gaskets, Pistons, Engine Parts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
<td>SS, Iron Steel, Cold Rolled Iron &amp; Al. etc.,</td>
</tr>
<tr>
<td>Pretreatment</td>
<td>Sand Blasting / Phosphating</td>
</tr>
<tr>
<td>Dry Film Thickness (DFT)</td>
<td>22-25 Micron</td>
</tr>
<tr>
<td>Baking Temp.</td>
<td>170 - 280°C (338 - 536°F)</td>
</tr>
<tr>
<td>Color Availability</td>
<td>Lighter Darker Colors</td>
</tr>
<tr>
<td>Heat Resistance</td>
<td>150 - 200°C (302 - 392°F)</td>
</tr>
<tr>
<td>Salt Spray Resistance</td>
<td>144 – 240 Hr</td>
</tr>
<tr>
<td>Pencil Hardness</td>
<td>3H – 5H</td>
</tr>
</tbody>
</table>
1 / C - Low Cure Solvent Base System

Heat Resistance Up to 400 °C

Wide Variety of Application –
Single Film, Dry Lubricants, Low Friction & Wear Application & Resistance to Automotive Fluids

Automotive Engine Gaskets
For Piston & Swash Plate

- 1 / C – Low Cure Solvent Base System
- Able to match inability
- 2 Type of Application – Spray & Pad Print
- 1 / C with multiple Coats achieve higher DFT
- Very Good Hardness, Wear & PAG Oil Resistance
- Higher Bearing Durability and Low Co-efficient of Friction
For Petrol & Gasoline Resistance

- 1 / C – Low Cure Solvent Base System
- Single Film, Dry Lubricants, Low Friction & Wear Application
- Very Good Chemical Resistance
- In Addition of Mechanical Properties with Very Good at Automotive Fluid Resistance, Petrol Resistance, Gasoline Resistance
For Bearing Cap & Cages

- 1/C – Low Cure Solvent Base System
- Single Film used as Secondary Dry Lubricants
- Provide Low Friction Movements
- Excellent Chemical Resistance, Dry Lubricity
- Good at Wear Resistance & Corrosion Resistance
For Garden Tools

- 1 / C – Solvent Base System
- Excellent General purpose Low Friction
- Prevent Snagging & Reduce to built up Dirt & Sap
- Offer Good Corrosion & Weathering Resistance
- Help to prevent damage to Blade and extend life of tools
High Heat Resistance Coatings

- Specially Formulated with Pure Silicon
- Withstand Rapid Temperature Changes
- Have Very Good Salt Spray & Chemical Resistance
- Special Application where High Heat Resistance Required
- Mainly used in Mufflers, Pistons, Fasteners & Gaskets

### 1 / C & 2 / C System Industrial Coating

<table>
<thead>
<tr>
<th>Application</th>
<th>Mufflers, Silencers &amp; other. Electrical Part</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
<td>Mild Steel, Cold Rolled Steel</td>
</tr>
<tr>
<td>Pretreatment</td>
<td>Sand Blasting / Phosphating</td>
</tr>
<tr>
<td>Dry Film Thickness (DFT)</td>
<td>22-25 Micron</td>
</tr>
<tr>
<td>Baking Temp.</td>
<td>250 - 280°C (338 - 536°F)</td>
</tr>
<tr>
<td>Color Availability</td>
<td>Darker Colors</td>
</tr>
<tr>
<td>Heat Resistance</td>
<td>450 - 650°C (842 - 1200°F)</td>
</tr>
<tr>
<td>Salt Spray Resistance</td>
<td>144 – 240 Hr</td>
</tr>
<tr>
<td>Pencil Hardness</td>
<td>3H – 5H</td>
</tr>
</tbody>
</table>
For Mufflers

- 1 / C & 2 / C - Air Dry / Low Cure Solvent Base System
- Withstand High heat Service Temp. up to 600 °C
- Good Corrosion Resistance 300+ Hr as per ASTM B117
- Designed For Excellent Thermal Shock Resistance

Applications:
- Generator Sets
- Automotive Vehicles
- Exhaust Pipes
- Chimney
- Boiler Parts
- Engine Parts
- Ovens & Inserts
- Electrical & Gas heaters
For Fastener

- 1 / C & 2 / C - Low Cure Solvent / Water Base System
- Different Kind of application – Spray & Dip Spin
- Slat Spray Life 1000–3000+ Hr As ASTM B117
- Wide Variety of Application –
  High Pressure, Low Speed Wear, Extreme Chemical, Corrosion Resistance, UV Resistance, Caustic Environments, Electrical Conductive Dry Film Lubricants facilities, Exposure to Sub Sea, Refinery Environments, Resistance to Majority of Automotive Fluid etc.,

- Automotive Industries
- Chemical Processing Equipment Industries
- Building Equipments Industries
- Aerospace & Marine Industries
- Offshore Components Industries
- Spl. Machineries Parts
For Photocopier & Rubber Roller

- 2 / C & 3 / C - Water Base System
- Applicable to subtracts on Al/ Steel roller & EPDM / Silicone Rubber Roller
- 2 Type of Application – Conductive Coating System & Non-Conductive Coating System
- 3 / C System better than 2 / C system provide Excellent Toner Release & Toughness, extended the service life of coated roller
For Mould Release

- 1 / C & 2 / C – Solvent & Water Base System
- Eliminates need for lubricants, Wet Release
- Reduce damage of Mould release
- Makes Mould easier to clean, reduce build up impurities
- Smoother Finish, extended the service life of Mould
- Outstanding Resistance to Abrasion & Superb Release

- Tiers’ Mould
- Foods’ Mould
- Belts’ Mould
- Auto Headliners’ Mould
- Shoes’ Mould
- Cutting Disks’ Mould
- Packaging Mould
1 / C & 2 / C – Solvent & Water Base System
Out Standing Resistance to Abrasion & Non Stick/ Release
Excellent Non-wetting properties
Remarkable Smooth with Good Chemical Resistance
Up-to 200 °C operating Temp. Completely Color Stable
1 / C & 2 / C – Water Base System
Reduce Co-efficient of Friction
Eliminate Sticking effect during Sealing
Protection of Rubber & Thermoplastic against Chemicals
Very Good Resistance of Automotive Fluids
Available in Novel Color and Appearances
For Golf Ball

- 1 / C Two pack – Solvent Base System
- 2 / C Two Pack – Solvent & Water Base System
- Low Cure Coating System at 60 °C - 5 Min. PST
- Harder & Glossier Clear Finish give Impact, Mar Resistance
- Very Good UV Resistance
For Flexible Finish Coating

- 1 / C & 2 / C – Solvent & Water Base One & Two Pack System
- New line of Spl. Auto. Coating System Solve Problem of Flexible subtracts
- With Low Friction, Freeze Release with Excellent abrasion Resistance
- Improve Resistance of Weathering & Chemicals
- Such Spl. Finishes used for Glass Run, Door, Trunk & Hood Seal
- Provide good decorative Effects
- Reduce Co-efficient of Friction by More than 80 % will eliminates Noises associated with Micro movements against Glass
- Glass slides easily even temp. fall well below Freezing
<table>
<thead>
<tr>
<th>Area of Application</th>
<th>Coating Application</th>
<th>Benefits through Coatings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self Tapping Screw</td>
<td>Corrosion Resistance</td>
<td>No Corrosion</td>
</tr>
<tr>
<td>Sheering Shaft Yolks</td>
<td>Lubrication, Corrosion</td>
<td>Free Movement</td>
</tr>
<tr>
<td>Seat Belt Clips</td>
<td>Corrosion, Lubrication</td>
<td>Operator Fail-Safe</td>
</tr>
<tr>
<td>Electrical Seat Adjustment</td>
<td>Lubrication, Corrosion</td>
<td>Smooth Operation, Long Life</td>
</tr>
<tr>
<td>Solenoids</td>
<td>Non-Sticks, Lubrication</td>
<td>Prevent Fouling</td>
</tr>
<tr>
<td>Door Hinge Pins</td>
<td>Corrosion Resistance</td>
<td>No Corrosion</td>
</tr>
<tr>
<td>Rubber Gaskets</td>
<td>Lubrication</td>
<td>Better Seals</td>
</tr>
<tr>
<td>Springs</td>
<td>Corrosion, Lubrication</td>
<td>No Corrosion, Noise Reduction</td>
</tr>
<tr>
<td>Hose Clamps</td>
<td>Lubrication</td>
<td>Provides Even Tightness to Hose</td>
</tr>
<tr>
<td>Steering Column Safety Clips</td>
<td>Corrosion, Lubrication</td>
<td>Assure Collapse in a Crash</td>
</tr>
<tr>
<td>Air Conditioning Piston</td>
<td>Lubrication</td>
<td>No Galling, Longer Life</td>
</tr>
<tr>
<td>Engine Head Gaskets</td>
<td>Low COF, Head Resistance, Non-Stick</td>
<td>Low Maintenance, Allow Slip During Expansion</td>
</tr>
<tr>
<td>Piston Skirts</td>
<td>Lubrication</td>
<td>Less Scuff and Wear, Increased Gas Mileage</td>
</tr>
<tr>
<td>Metal Bearing</td>
<td>Corrosion, Lubrication</td>
<td>Less Expensive</td>
</tr>
</tbody>
</table>
Our Aim & Value

• We aim at providing the latest custom-build coatings to meet the needs of any application that our customers have globally.

• We want to be the Reliable Brand providing Coating System solution for our customers globally.
Contact US

Visit our website: www.gmmdl.com

Manufacturing Facility India:
GMM Coatings Pvt Ltd.,
Village: Jetpura, Taluka: Kadi,
Dist.: Mehasana, Guj. – 382721
INDIA.
Ph.: +91-2764-285656/ 285119
Fax.: +91-2764-285370
Thank You !!!!