PRODUCT DESCRIPTION

PERMATEX® The Right Stuff™ Grey is a single component, room temperature curing, elastomeric gasketing compound designed to provide reliable “formed-in-place” gaskets for mechanical assemblies. The Right Stuff™ Grey has been specifically designed to perform under higher torque loads of engines with high bolt densities, typically import vehicles. This product has a high blowout resistance, allowing leakproof gaskets to be made and placed into service immediately after reassembly. Permatex® Right Stuff™ Grey is sensor safe and seals instantly forming reliable, long lasting elastomeric rubber gaskets that outperform precut gaskets. OEM specified by Nissan, Honda, Mazda and Kia.

PRODUCT BENEFITS

• Immediate sealability
• Instant blow-out resistance
• Import OEM Approved and Specified
• Replaces most cut gaskets
• Low odor
• Resistant to ATF/oil/coolant
• Consistent sealing
• Sensor safe

TYPICAL APPLICATIONS

• Timing gear covers
• Transmission pans
• Valve covers
• Oil pans
• Water pumps
• Gearboxes
• Intake manifold end seals
• Stamped sheet metal covers
• Compressors
• Gearboxes

PROPERTIES OF UNCURED MATERIAL

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Type</td>
<td>Elastomeric Rubber</td>
</tr>
<tr>
<td>Appearance</td>
<td>Metallic Grey</td>
</tr>
<tr>
<td>Specific Gravity @ 20°C</td>
<td>1.45</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Thixotropic Paste</td>
</tr>
<tr>
<td>Flash Point (TCC), °F</td>
<td>&gt;200</td>
</tr>
</tbody>
</table>

DIRECTIONS FOR USE

For assembly as form-in-place gasket

1. Cut nozzle to desired bead size, 1/16" to 1/4" in diameter. An 1/8" bead is usually sufficient for most applications.
2. Remove cap, puncture tube or cartridge seal and attach extension nozzle.
3. Apply a continuous and even bead of The Right Stuff™ Grey to one surface, first tracing the internal areas of the gasket configuration, then all surrounding bolt holes as shown below:

6. Assemble parts within 5 minutes while The Right Stuff™ Grey is still wet. Secure or tighten to recommended torque specs.
7. Re-torque will not be necessary after the product has cured.

For PowerBead

1. Clean and dry all flange surfaces to be sealed.
2. Remove black cap from top of extension nozzle.
3. Turn nozzle extension one complete turn (360°) counterclockwise.
4. Depress finger trigger and apply a continuous 1/16 inch to 1/8 inch PowerBead™ to one surface.
5. Assemble parts within 5 minutes while The Right Stuff® Grey is still wet. Secure or tighten to recommended torque specs.
6. Parts or vehicle may be placed back into service immediately.
7. Re-torque will not be necessary after the product has cured.
8. To close, turn extension nozzle clockwise until tight (about one full turn). Wipe off excess material from nozzle and replace black cap.

For Cleanup

1. Allow excess material to extend beyond the extension nozzle or aerosol tip to cure, sealing and protecting the remaining product from moisture. For reuse, simply remove the cured product from the tip.
2. Remove uncured product from parts and hand-tools with a dry cloth, if skinned over, break film with a dry cloth to remove as much as possible, and remove the remaining material with Permatex® Gasket Remover as previously stated.

3. Clean hands with a dry cloth or Permatex® Fast Orange® hand cleaner.

TYPICAL CURING PERFORMANCE

Cure Time
The surface of this adhesive becomes dry to touch on exposure to atmospheric moisture within 5 minutes at 23±2°C, 50 ± 5% RH. The product cures on exposure to moisture in the air and dries tack free in two hours, with full cure in 24 hours. Cure times will vary with temperature, humidity and gap.

Instant Seal
Parts assembled with Permatex® The Right Stuff™ Grey are instantly sealed and can be immediately placed into service.

TYPICAL PROPERTIES OF CURED MATERIAL

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, Shore A, ASTM D2240</td>
<td>60</td>
</tr>
<tr>
<td>Elongation at break, %, ASTM D412</td>
<td>175</td>
</tr>
<tr>
<td>Tensile strength, N/mm², ASTM D412</td>
<td>3.4 min</td>
</tr>
</tbody>
</table>

TYPICAL ENVIRONMENTAL RESISTANCE

<table>
<thead>
<tr>
<th>Temperature Resistance</th>
<th>Typical Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous, °C (°F)</td>
<td>-60 to 232 (-75 to 450)</td>
</tr>
<tr>
<td>Intermittent, °C (°F)</td>
<td>-60 to 260 (-75 to 500)</td>
</tr>
</tbody>
</table>

Chemical / Solvent Resistance
The product retains effective properties in contact with automotive fluids, such as motor oil, transmission fluids, alcohol and antifreeze solutions. Note: Not recommended for parts in contact with gasoline.

GENERAL INFORMATION
This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Container Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>34311</td>
<td>5 oz. cartridge</td>
</tr>
<tr>
<td>34310</td>
<td>10.1 oz. cartridge</td>
</tr>
<tr>
<td>85144</td>
<td>7.5 oz. PowerBead</td>
</tr>
<tr>
<td>25238</td>
<td>3 oz. automatic tube, carded</td>
</tr>
</tbody>
</table>