Agenda

1. Henkel Overview
2. Composite Repair – Structural Adhesives
3. MRO Packaging
4. Henkel Aerospace Authorized Distributor
Agenda

1. Henkel Overview
2. Composite Repair – Structural Adhesives
3. MRO Packaging
4. Henkel Aerospace Authorized Distributor
Henkel in brief

Henkel worldwide

- Brands and technologies worldwide
- More than 47,000 employees

Fiscal 2013

Sales: 16,355 mill. euros
Adjusted\(^1\) operating profit (EBIT): 2,285 mill. euros
Adjusted\(^1\) return on sales (EBIT): 14.0 %

Three areas of competence

<table>
<thead>
<tr>
<th></th>
<th>Sales %</th>
<th>Top brands</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laundry &amp; Home Care</td>
<td>28%</td>
<td><a href="#">Persil</a>, <a href="#">Purex</a>, <a href="#">Dixan</a></td>
</tr>
<tr>
<td>Cosmetics/Toiletries</td>
<td>21%</td>
<td><a href="#">Schwarzkopf</a>, <a href="#">Dial</a>, <a href="#">Syoss</a></td>
</tr>
<tr>
<td>Adhesive Technologies</td>
<td>50%</td>
<td><a href="#">Loctite</a>, <a href="#">Bonderite</a>, <a href="#">Technomelt</a></td>
</tr>
</tbody>
</table>

\(^1\) Adjusted for currency fluctuations, acquisitions, and divestitures.
Adhesive Technologies
Five Business Segments

- **Transport & Metal**
- **General Industry**
- **Electronics**
- **Consumer, Craftsmen and Building Adhesives**
- **Packaging, Consumer Goods, and Construction Adhesives**

>We leverage our engineering expertise across our business units
## Henkel Aerospace
### Our Supporting Structure

<table>
<thead>
<tr>
<th>Market Structure</th>
<th>Commercial</th>
<th>Defense</th>
<th>General Aviation</th>
<th>MRO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-Segment</td>
<td>Passenger Freight R &amp; B Jets</td>
<td>Fighters Helicopters UAVs</td>
<td>Gliders Turbo Props</td>
<td>Maintenance Repair Overhaul</td>
</tr>
<tr>
<td>Application</td>
<td>Fuselage</td>
<td>Engine &amp; Nacelle</td>
<td>Wing &amp; Tail</td>
<td>Other</td>
</tr>
<tr>
<td>OEM</td>
<td>Tier 1 Subs</td>
<td>Tier 2 Subs</td>
<td>Tier 3 Subs</td>
<td>Distribution</td>
</tr>
</tbody>
</table>

### Structure to Serve

- **Assembly**
- **Composites**
- **MRO**
## Henkel Aerospace
### Our Supporting Structure

<table>
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<tr>
<td></td>
<td>Freight</td>
<td>Helicopters</td>
<td>Turbo Props</td>
<td>Repair Overhaul</td>
</tr>
<tr>
<td></td>
<td>R &amp; B Jets</td>
<td>UAVs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Application</td>
<td>Fuselage</td>
<td>Engine &amp;</td>
<td>Wing &amp; Tail</td>
<td>Other</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nacelle</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Interior</td>
</tr>
<tr>
<td>Market Structure</td>
<td>OEM</td>
<td>Tier 1 Subs</td>
<td>Tier 2 Subs</td>
<td>Tier 3 Subs</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Structure to Serve</td>
<td>Assembly</td>
<td>Composites</td>
<td>MRO</td>
<td></td>
</tr>
</tbody>
</table>

- **Assembly**: Photos of assembly process
- **Composites**: Photos of composite materials
- **MRO**: Photos of maintenance and repair operations
# Henkel Aerospace

## MRO Segment

### MRO Focus Areas

<table>
<thead>
<tr>
<th>Area</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABCD Checks</td>
<td>Planned Maintenance, Repair and Overhaul activities for aircrafts by airlines and MRO providers</td>
</tr>
<tr>
<td>Engine Overhaul</td>
<td>Overhaul (O/H) activities for aircraft engines by OEM’s and engine shops</td>
</tr>
<tr>
<td>Depaint/Repaint</td>
<td>Aircraft painting activities during scheduled corrosion checks and aircraft modifications</td>
</tr>
<tr>
<td>Composite Repair</td>
<td>Repair of aircraft composite structures</td>
</tr>
</tbody>
</table>
# Henkel Aerospace MRO Segment

## MRO Focus Areas

<table>
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<tr>
<th>ABCD Checks</th>
<th>Planned Maintenance, Repair and Overhaul activities for aircrafts by airlines and MRO providers</th>
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</tr>
</tbody>
</table>
Agenda

1. Henkel Overview

2. Composite Repair – Structural Adhesives

3. MRO Packaging

4. Henkel Aerospace Authorized Distributor
Composite Repair
Structural Adhesives

Composite Applications

Undercarriage Doors
Wing Skin
Central Wing Box
Floor Beams
Rear Pressure Bulkhead
VTP and Rudder
HTP and Elevator
Rear Fuselage
Flaps
Spoilers
Ailerons
Slats
Engine Nacelle
Belly Fairing
Passenger Doors
Radome

Bonding
Out of Autoclave
Wet Lay-Up

Specialty
## Composite Repair
### Structural Adhesives

<table>
<thead>
<tr>
<th>Repair Type</th>
<th>Bonding, Filling &amp; Potting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>Clip Pack, Pudding Cup, Pint &amp; Quart kit, Cartridge kit</td>
</tr>
<tr>
<td>Application</td>
<td>2-part epoxy mix; thixotropic; room temp cure</td>
</tr>
<tr>
<td>Service Temp</td>
<td>300°F(149°C) to 350°F(177°C)</td>
</tr>
<tr>
<td>Pot Life</td>
<td>40 min to 100 min at 77°F(25°C)</td>
</tr>
</tbody>
</table>
| Products             | • LOCTITE EA 934NA AERO (known as Hysol EA 934NA)  
                        | • LOCTITE EA 9394 AERO (known as Hysol EA 9394)  
                        | • LOCTITE EA 9395 AERO (known as Hysol EA 9395) |

Source: The Boeing Company
## Composite Repair
### Structural Adhesives

<table>
<thead>
<tr>
<th>Type</th>
<th>Tech</th>
<th>Product</th>
<th>Major Approvals</th>
<th>Applications</th>
</tr>
</thead>
</table>
| Bonding, Filling, & Potting | 2-part Epoxy | LOCTITE EA 934NA AERO (known as Hysol EA 934NA) | • BMS 5-109 TYPE II CLASS 2 GRADE A  
• IPS 10-04-003-03  
• IPS 10-04-026-02 | 2-Part Epoxy Mix, Thixotropic, Room Temp Cure |
|                             | 2-part Epoxy | LOCTITE EA 9394 AERO (known as Hysol EA 9394) | • BMS 5-109 TYPE II CLASS 2 GRADE A  
• BMS 8-338 GR 120 FORM I  
• IPS 10-04-002-05 | 2-Part Epoxy Mix, Thixotropic, Room Temp Cure |
|                             | 2-part Epoxy | LOCTITE EA 9395 AERO (known as Hysol EA 9395) | • Q509S013 TYPE II  
• PWA 457-3                      | 2-Part Epoxy Mix, Thixotropic, Room Temp Cure |
# Composite Repair

## Structural Adhesives

<table>
<thead>
<tr>
<th>Repair Type</th>
<th>Wet Lay-Up / Laminating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>Clip Pack, Pudding Cup, Pint &amp; Quart kit, Cartridge kit</td>
</tr>
<tr>
<td>Application</td>
<td>2-part epoxy mix; low viscosity; room temp cure</td>
</tr>
<tr>
<td>Service Temp</td>
<td>300°F(149°C) to 350°F(177°C)</td>
</tr>
<tr>
<td>Pot Life</td>
<td>30 min to 90 min at 77°F(25°C)</td>
</tr>
</tbody>
</table>
| Products             | • LOCTITE EA 956 AERO (known as Hysol EA 956)  
                        • LOCTITE EA 9390 AERO (known as Hysol EA 9390)  
                        • LOCTITE EA 9396 AERO (known as Hysol EA 9396) |

Source: Navair/US Navy
## Composite Repair
### Structural Adhesives

<table>
<thead>
<tr>
<th>Type</th>
<th>Tech</th>
<th>Product</th>
<th>Major Approvals</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet Lay-Up / Laminating</td>
<td>2-part Epoxy</td>
<td>LOCTITE EA 956 AERO (known as Hysol 956)</td>
<td>• BMS 5-128&lt;br&gt;• DPM 5535-1</td>
<td>2-Part Epoxy Mix, Low Viscosity, Room Temp Cure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LOCTITE EA 9390 AERO (known as Hysol EA 9390)</td>
<td>• DPM 5535-9&lt;br&gt;• BMS 8-301 CLASS 1 GRADE 1</td>
<td>2-Part Epoxy Mix, Low Viscosity, Heat Cure Required</td>
</tr>
<tr>
<td></td>
<td>2-part Epoxy</td>
<td>LOCTITE EA 9396 AERO (known as Hysol 9396)</td>
<td>• DPM 5535-5&lt;br&gt;• BMS 8-301 CLASS 3&lt;br&gt;• IPS-08-01-001-02&lt;br&gt;• IPS-08-02-001-02</td>
<td>2-Part Epoxy Mix, Low Viscosity, Room Temp Cure</td>
</tr>
</tbody>
</table>
# Composite Repair
## Structural Adhesives

<table>
<thead>
<tr>
<th>Repair Type</th>
<th>Out-of-Autoclave</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>Film roll</td>
</tr>
<tr>
<td>Application</td>
<td>Film adhesive; accelerated dual temp cure</td>
</tr>
<tr>
<td>Service Temp</td>
<td>300°F+(149°C+)</td>
</tr>
<tr>
<td>Pot Life</td>
<td>30 days to 90 days at 77°F(25°C)</td>
</tr>
</tbody>
</table>
| Products          | • LOCTITE EA 9695 AERO (known as Hysol 9695)  
|                   | • LOCTITE EA 7000 AERO (known as Hysol PL 7000) |

Source: Abaris
## Composite Repair
### Structural Adhesives

<table>
<thead>
<tr>
<th>Type</th>
<th>Tech</th>
<th>Product</th>
<th>Major Approvals</th>
<th>Applications</th>
</tr>
</thead>
</table>
| Out-of-Autoclave      | Epoxy - Film Adhesive | LOCTITE EA 9695 AERO (known as Hysol 9695) | • AMS 3970  
• MMM-A-132  
• IPS 08-05-001-02 | Film Adhesive, Accelerated Dual Temp Cure |
|                       | Epoxy - Film Adhesive | LOCTITE EA 7000 AERO (known as Hysol PL 7000) | • BMS 5-154 TYII&III          | Film Adhesive, Accelerated Dual Temp Cure |
## Composite Repair
### Structural Adhesives

<table>
<thead>
<tr>
<th>Repair Type</th>
<th>High Service Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packaging</td>
<td>Clip Pack, Pudding Cup, Pint &amp; Quart kit, Cartridge kit</td>
</tr>
<tr>
<td>Application</td>
<td>2-part epoxy mix; moderate viscosity; high temp cure</td>
</tr>
<tr>
<td>Service Temp</td>
<td>400°F(204°C) to 450°F(232°C)</td>
</tr>
<tr>
<td>Pot Life</td>
<td>8 hours at 77°F(25°C)</td>
</tr>
</tbody>
</table>
| Products       | • LOCTITE EA 9394C-2 AERO (known as Hysol 9394/C-2)  
                 • LOCTITE EA 9396C-2 AERO (known as Hysol 9396/C-2) |
## Composite Repair
### Structural Adhesives

<table>
<thead>
<tr>
<th>Type</th>
<th>Tech</th>
<th>Product</th>
<th>Major Approvals</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>High Service Temperature</td>
<td>2-part Epoxy</td>
<td>LOCTITE EA 9394C-2 AERO (known as Hysol 9394/C-2)</td>
<td>• A50TF88 CLASS B REV S10</td>
<td>2-Part Epoxy Mix, Moderate Viscosity, High Temp Cure</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• DPM 5535-8</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• STMM-M521</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2-part Epoxy</td>
<td>LOCTITE EA 9396C-2 AERO (known as Hysol 9396/C-2)</td>
<td>• A15B129B1</td>
<td>2-Part Epoxy Mix, Moderate Viscosity, High Temp Cure</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• DPM 5535-6</td>
<td></td>
</tr>
</tbody>
</table>
## Composite Repair
### Structural Adhesives

<table>
<thead>
<tr>
<th><strong>Repair Type</strong></th>
<th>Surfacing Film &amp; Lightning Strike</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Packaging</strong></td>
<td>Film roll</td>
</tr>
<tr>
<td><strong>Application</strong></td>
<td>Film adhesive; accelerated dual temp cure</td>
</tr>
<tr>
<td><strong>Service Temp</strong></td>
<td>300°F(177°C) to 350°F(232°C)</td>
</tr>
<tr>
<td><strong>Pot Life</strong></td>
<td>45 days at 77°F(25°C)</td>
</tr>
</tbody>
</table>
| **Products**          | • LOCTITE EA 9845SF AERO (known as Hysol 9845 SF)  
                        | • LOCTITE EA 9845LSC AERO (known as Hysol 9845 LSC) |
# Composite Repair

## Structural Adhesives

<table>
<thead>
<tr>
<th>Type</th>
<th>Tech</th>
<th>Product</th>
<th>Major Approvals</th>
<th>Applications</th>
</tr>
</thead>
</table>
| Surfacing Film & Lightning Strike | Epoxy - Film Adhesive | LOCTITE EA 9845SF AERO (known as Hysol 9845 SF) | • Cessna  
• Triumph  
• Alenia          | Film Adhesive, Accelerated Dual Temp Sure         |
|                               | Epoxy - Film Adhesive | LOCTITE EA 9845LSC AERO (known as Hysol 9845 LSC) | • Bombardier         | Film Adhesive, Accelerated Dual Temp Sure             |
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3. MRO Packaging
4. Henkel Aerospace Authorized Distributor
### MRO Packaging

**Ready-to-Use**

<table>
<thead>
<tr>
<th>Clip Pack</th>
<th>Pudding Cup</th>
<th>Dual Cartridge (50 ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Clip Pack" /></td>
<td><img src="image2" alt="Pudding Cup" /></td>
<td><img src="image3" alt="Dual Cartridge (50 ml)" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Injection Kit</th>
<th>Barrier Kit</th>
<th>Dual Cartridge (200 &amp; 400 ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4" alt="Injection Kit" /></td>
<td><img src="image5" alt="Barrier Kit" /></td>
<td><img src="image6" alt="Dual Cartridge (200 &amp; 400 ml)" /></td>
</tr>
</tbody>
</table>
MRO Packaging
Clip Pack

Package Use
- Store material according to manufacturer’s instructions in original packaging from manufacturer.
- For refrigerated materials, thaw materials to room temperature (72 °F +/- 5 °F, 22 °C +/- 2 °C) prior to use.
- Remove kit from packaging and remove clip divider to mix.
- Mix part A and Part B in the sealed pouch until a uniform mix and color is achieved.
- Dispose of properly.

Package Description
- Pre-packaged part A and part B system separated by a clip divider.
- Pre-measured 2 component system ensures full cure and product performance after mixing.
- Available in 25 gram and 50 gram sizes.

Feature  | Benefit
--- | ---
Self-contained Package | Mixes & Dispenses Reactive Resins
Pre-measured Components | Assures Precise, Accurate, Consistent Proportions
Disposable Packages | No Messy Cleanup
MRO Packaging
Pudding Cup

Package Use
- Store material according to manufacturer’s instructions in original packaging from manufacturer.
- For refrigerated materials, thaw materials to room temperature (72 °F +/- 5 °F, 22 °C +/- 2 °C) prior to use.
- Remove kit from packaging, empty part B into part A and fold the materials together with a mix handle.
- To ensure full kit performance, use the entire contents of part A with part B.
- Dispose of properly.

Feature | Benefit
--- | ---
- Pre-measured Components | Assures Precise, Accurate, Consistent Proportions
- Disposable Packages | No Messy Cleanup
- One Time Use | Ease of Mixing

Package Description
- Pre-packaged part A and part B system provided in separate containers.
- Pre-measured 2 component system ensures full cure and product performance after mixing.
- Available in several sizes.
MRO Packaging
Injection Kit

Package Use
• Store material according to manufacturer’s instructions in original packaging from manufacturer.
• For refrigerated materials, thaw materials to room temperature (72 °F +/- 5 °F, 22 °C +/- 2 °C) prior to use.
• Remove kit from packaging and remove clip divider to mix.
• Mix part A and Part b in the sealed pouch until a uniform mix and color is achieved.
• Dispose of properly.

Feature | Benefit
--- | ---
Equipment Mixer | Eliminates Hand Mixing
Pre-measured Components | Assures Precise, Accurate, Consistent Proportions
Disposable Packages | No Messy Cleanup
Extrusion | Easy Application by Pneumatic Gun

Package Description
• Pre-packaged part A and part B system separated by a clip divider.
• Pre-measured 2 component system ensures full cure and product performance after mixing.
• Available in 2.5 oz and 6 oz sizes.
# MRO Packaging
## Injection Kit

### Assembly for Mixing
Follow Steps 1 – 6 (below)

### Mixing
- Hand Mixing – Follow Instruction Card Step 5
- Model 388 Automatic Semkit – Select the Correct Spindle & Stroke Settings per Cartridge Type

### After Mixing - Extrusion
- Remove valve dasher rod & yellow cap
- Verify all curing agent was injected
- Affix nozzle bushing & nozzle to the end of the cartridge & place into a dispensing gun
- Extrude small bead on a piece of paper & examine bead for complete mix

### Step 1
**Remove Red Tip**
From the body of the cartridge by unscrewing counter-clockwise

### Step 2
**Extend Out the Red Tip**
From the end of the dasher rod with a pointed object, “do not remove”

### Step 3
**Screw Dasher Rod**
Into the body of the cartridge clockwise until hand tight
**Push Dasher Rod Inward**
Approximately 1” leaving room for the Part B

### Step 4
**Using the Ramrod**
Inject the curing agent into the base compound and then remove ramrod.

### Step 5
**Hand Mix**
For one minute ensuring the Part B is fully embedded into the Part A

### Step 6
**Again Using the Ramrod**
Inject any remaining curing agent into hteb ase compound and then remove ramrod
MRO Packaging
Barrier Kit

Package Use
• Store material according to manufacturer’s instructions in original packaging from manufacturer.
• For refrigerated materials, thaw materials to room temperature (72 °F +/- 5 °F, 22 °C +/- 2 °C) prior to use.
• Remove kit from packaging and mix according to instructions provided.
• The total number of mixing strokes should be accomplished within the allowance for time noted on instructions.
• Install kit in manual or pneumatic gun for extrusion of mixed material.
• Dispose of properly.

Package Description
• Disposable plastic dispensing system.
• Pre-packaged part A and part B system separated by a foil barrier.
• Pre-measured 2 component system ensures full cure and product performance after mixing.
• Available in 2.5 oz and 6 oz sizes.

Feature | Benefit
--- | ---
Pre-measured Components | Assures Precise, Accurate, Consistent Proportions
Disposable Packages | No Messy Cleanup
Equipment Mixer | Eliminates Hand Mixing
Extrusion | Easy Application by Pneumatic Gun

Feature
• Pre-measured Components
• Disposable Packages
• Equipment Mixer
• Extrusion

Benefit
• Assures Precise, Accurate, Consistent Proportions
• No Messy Cleanup
• Eliminates Hand Mixing
• Easy Application by Pneumatic Gun
# MRO Packaging
## Barrier Kit

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Step 2</th>
<th>Step 3</th>
<th>Step 4</th>
<th>Step 5</th>
<th>Step 6</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Remove Tape</strong></td>
<td><strong>Depress Cartridge in Foil Area</strong> to deform barrier</td>
<td><strong>Mix</strong></td>
<td><strong>Remove Dasher Rod</strong></td>
<td><strong>Thread Nozzle</strong> into threaded neck of cartridge</td>
<td><strong>Remove End Cap</strong></td>
</tr>
<tr>
<td><strong>Pull Dasher Rod</strong> up toward the threaded neck of the cartridge</td>
<td><strong>(You can place cartridge on edge of table &amp; apply pressure to deform barrier)</strong></td>
<td><strong>The recommended number of strokes (automated equipment can be used to mix cartridge)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step 7</th>
<th>Step 8</th>
<th>Step 9</th>
<th>Step 10</th>
<th>Step 11</th>
<th>Step 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Place Cartridge In gun and dispense material</strong></td>
<td><strong>For Mixing,</strong> You can use a Model 388 Automatic Semkit (very important to select the correct spindle &amp; stroke settings per cartridge type)</td>
<td><strong>After Mixing,</strong> Remove valved dashes rod &amp; yellow cap</td>
<td><strong>Verify</strong> All curing agent are mixed homogeneous</td>
<td><strong>Affix Nozzle</strong> To the end of the cartridge &amp; place into a dispensing gun</td>
<td><strong>Extrude Small Bead</strong> on a piece of paper &amp; examine bead for complete mix</td>
</tr>
</tbody>
</table>

---

*Step 12: Extrude Small Bead on a piece of paper & examine bead for complete mix.*

*Step 5: Thread Nozzle into threaded neck of cartridge.*

*Step 4: Remove Dasher Rod.*

*Step 3: Mix the recommended number of strokes (automated equipment can be used to mix cartridge).*

*Step 2: Depress Cartridge in Foil Area to deform barrier (You can place cartridge on edge of table & apply pressure to deform barrier).*

*Step 1: Remove Tape Pull Dasher Rod up toward the threaded neck of the cartridge.*
MRO Packaging
Dual Cartridge

Package Use
• Store material according to manufacturer’s instructions in original packaging from manufacturer.
• For refrigerated materials, thaw materials to room temperature (72 °F +/- 5 °F, 22 °C +/- 2 °C) prior to use.
• Install kit in manual or pneumatic gun with the static mix tip on the dual cartridge for extrusion of mixed material.
• Dispense a small amount of material from the static mix tip prior to use.
• Dispose of properly.

Package Description
• Disposable plastic dispensing system.
• Pre-packaged part A and part B in a dual cartridge system.
• Pre-measured 2 component system ensures full cure and product performance after mixing.
• Available in 50 ml, 200 ml, and 400 ml sizes.

Feature
- Pre-measured Components
- Disposable Packages
- Static Mix Tip
- Replacement Tips

Benefit
- Assures Precise, Accurate, Consistent Proportions
- No Messy Cleanup
- Eliminates Hand Mixing
- Reusable Cartridge
## MRO Packaging
### Dual Cartridge

<table>
<thead>
<tr>
<th>Applicator</th>
<th>2 : 1</th>
<th>2.5 : 1</th>
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<tr>
<td>50 ml Manual</td>
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<td>Applicator Plunger</td>
<td>Applicator Plunger</td>
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<tr>
<td>200 ml Pneumatic, 85 psi</td>
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<td>Same as</td>
<td>983437</td>
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<td>Applicator Cartridge Tray</td>
<td>Applicator Conversion Kit</td>
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<td>400 ml Pneumatic, 85 psi</td>
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</tbody>
</table>

Dual Cartridge (50 ml)

Dual Cartridge (200 & 400 ml)
Contents

1. Henkel Overview
2. Composite Repair – Structural Adhesives
3. MRO Packaging
4. Authorized Aerospace Distributor Partners
## Authorized Aerospace Distributor Partners

### Henkel Aerospace

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Audit &amp; control of authorized distributor network.</td>
<td>• Global product availability with aerospace focused technical support.</td>
</tr>
<tr>
<td>• Product shipment according to manufacture instructions &amp; OEM specifications.</td>
<td>• Compliant shipment package with lot traceability and shelf life control.</td>
</tr>
<tr>
<td>• Full manufacturer warranty flow down.</td>
<td>• Complete certification package, paperwork, and warranty.</td>
</tr>
<tr>
<td>• 2 component lot matched system.</td>
<td>• Full performance characteristics tested to OEM requirements.</td>
</tr>
<tr>
<td>• Local sales support &amp; inventory of ready-to-use package configurations.</td>
<td>• Just-in-time availability &amp; safety stock for AOG needs.</td>
</tr>
</tbody>
</table>

![Diagram](image)

AS 9100  
**Authorized Distributor**  
AS 9120  
Shop Floor
Thank You!