Optimise shimming processes with a new high-strength, fast-curing, injectable liquid shim:

- Fill gaps up to 3mm
- Cures to drilling strength within 4-5 hours at room temperature
- Superior fatigue resistance
- Non sag in vertical applications
- Easy and accurate injection application

Take the Stress out of Aero-Structures
As the demand for aircraft reaches new heights, the pressure is on suppliers to develop solutions that increase manufacturing productivity without compromising performance.

**3M™ Scotch-Weld™ Advanced Liquid Shim EC-7272 B/A**

For the last 6 years, 3M Aerospace has been engineering a sophisticated epoxy-based liquid shim that offers superior structural gap filling properties up to 3mm, thereby significantly reducing the need for hard shims. 3M™ Scotch-Weld™ Advanced Liquid Shim EC-7272 B/A is a single, injectable, fast-curing solution designed to deliver an increase in productivity and overall cost reduction.

Curing to drilling strength* within 4-5 hours at room temperature without excessive exothermicity, Scotch-Weld EC-7272 B/A combines excellent toughness and high compressive strength while increasing production throughput. The rheology of the liquid shim has been specifically engineered to balance the need for precise and fast injection with minimal slump thereby enabling application versatility.

**Technical Properties**

- Fills gaps up to 3mm
- Shore D hardness of 82 after 4 hours at room temperature*
- Superior fatigue resistance
- Non sag in vertical applications
- Excellent chemical and environmental resistance
- Easy injectable application
- Extrudable from duo-pack cartridges for easy and accurate mixing

**Dispensing Equipment**

3M Scotch-Weld Advanced Liquid Shim EC-7272 B/A can be dispensed manually and pneumatically using the following equipment.

<table>
<thead>
<tr>
<th>Duo-Pak Cartridge Size</th>
<th>Manual Dispenser</th>
<th>Pneumatic Dispenser</th>
<th>Preferred Nozzle</th>
</tr>
</thead>
<tbody>
<tr>
<td>50ml</td>
<td>3M™ Scotch-Weld™ EPX Manual Dispenser 08117</td>
<td>Not Applicable</td>
<td>3M™ Scotch-Weld™ EPX Structural Adhesive Nozzle 7 Element</td>
</tr>
<tr>
<td>200ml</td>
<td>3M™ Performance Manual Applicator 08117</td>
<td>3M™ Performance Pneumatic Applicator 09930</td>
<td>3M™ Static Mixing Nozzle 08193</td>
</tr>
<tr>
<td>400ml</td>
<td>Not Applicable</td>
<td>3M™ Scotch-Weld™ EPX Pneumatic Applicator 09930</td>
<td>3M™ Static Mixing Nozzle 08193</td>
</tr>
</tbody>
</table>

**Storage Details**

Store at room temperature. Shelf life is 6 months from date of shipment in the original unopened containers.

* Shore D hardness of 82 achieved after 4 hours at 23 °C ± 2 °C, 50 % ± 5 % relative humidity. The test was conducted using 50 g of mixed material on a disc of 70 mm diameter and 10 mm height and was determined according to ISO 868.
Product Use: Many factors beyond 3M’s control and uniquely within user’s knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user’s method of application.