

**3M** Science.  
Applied to Life.™

# Take the stress out of Aero-Structures.

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

Shimming materials are required to fill small gaps in rib-to-skin and other load-bearing aero-structure applications in order to reduce stress and premature fatigue cracking of the assembly. Aside from the costly and complex management of hundreds of bespoke sizes, traditional hard shims are time-consuming and labour-intensive to apply.

3M™ Scotch-Weld™ Advanced Liquid Shim EC-7272 B/A is a sophisticated epoxy-based liquid shim that offers superior structural gap filling properties up to 3mm, thereby significantly reducing the need for hard shims. Available in 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.



## Versatile.

Fills gaps up to 3mm.



## Strong.

Shore D hardness\* of 82 after 4 hours at room temperature.



## Fast.

Cures to drilling strength\* in 4-5 hours at room temperature.



## Neat.

Extrudable from duo-pack cartridges for easy and accurate mixing.

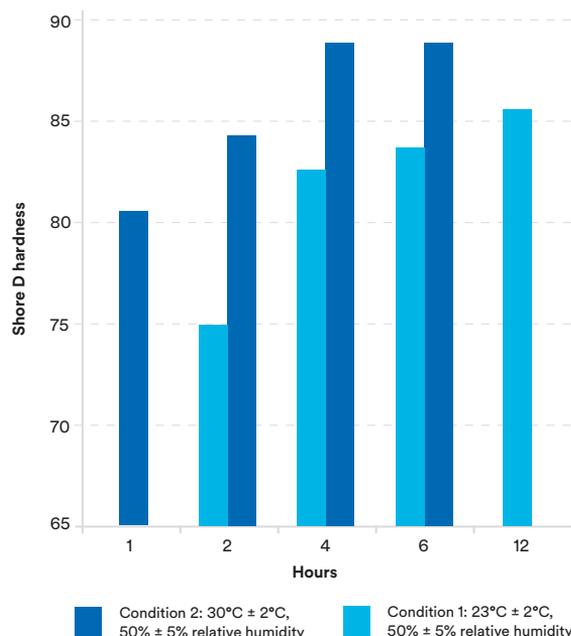


## Safe.

Non sag in vertical applications.

Product name	Chemistry	Colour (mixed)	FST/ FR	Work life	Time to handling	Cure time at 23°C	Overlap shear strength MPa			
							-55°C	23°C	80°C	120°C
EC-7272 B/A	Epoxy	Greenish blue	No	30 mins	4-5 hours	7 days	16	23	21	16

\*Shore D hardness was determined according to ISO 868 in two conditions using 50g of mixed material on a disc of 70mm diameter and 10mm height.



## Dispensing equipment

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



3M™ Performance Manual Applicator 08117



3M™ Performance Pneumatic Applicator 09930

## Storage details

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

### 3M Automotive and Aerospace Solutions Division

3M United Kingdom PLC  
3M Centre, Cain Road  
Bracknell, Berkshire RG12 8HT  
Tel: 0870 6080 060  
www.3M.co.uk

3M Ireland Limited  
The Iveagh Building  
The Park, Carrickmines  
Dublin 18  
Tel: 1 800 303 437

Upgrade your aircraft at: [3M.co.uk/aerospace](http://3M.co.uk/aerospace)

Please recycle. Printed in the UK. © 3M 2018.  
3M and Scotch-Weld are trademarks of the 3M company. All rights reserved. J428477

