

## 3M™ Aerospace Sealants AC-730 and AC-735



# Ready to Fly

### Non-chromate, corrosion inhibiting sealants

Engineers and maintenance professionals from companies around the world trust 3M™ Aerospace Sealants for sealing critical gaps and to help prevent corrosion. Designed specifically for fuselage applications, 3M™ Sealants AC-730 and AC-735 provide an alternative to traditional chromate-containing sealants.

- Non-chromate corrosion inhibition
- Low density reduces final weight
- Quick cure allows increased throughput
- Low shrinkage results in less rework



Enabling lighter, safer, quieter aircraft – constructed faster.



# Do More with Less



## Less solvent. Less rework. More efficient operations.

3M™ Aerospace Sealants AC-730 and AC-735 are quick-curing polysulfide formulations engineered for easy tooling. Both non-chromate and corrosion inhibiting, AC-730 and AC-735 sealants offer a number of advantages and benefits compared to traditional sealants:

- **No chromate** – May help you comply with NESHAP chromate emission reduction initiatives and OSHA exposure limits.
- **Lighter weight** – 33% lower density than traditional sealants, for an average weight savings of 3–4 lbs/gallon.
- **Less rework** – Save production time by getting the final shape from the start, with little or no shrinkage and sag due to solvent content. (Class B material only)
- **Easier application** – Less stiff than competitive sealants, requiring less mixing time and less pressure to apply.
- **Saves time** – Can be painted as soon as work-time expires.
- **Excellent adhesion** to metals, composites and organic coatings common to the aerospace industry.

### Typical Physical Properties (Not for specification purposes)

Property	3M™ Aerospace Sealant AC-735		3M™ Aerospace Sealant AC-730	
	Class A	Class B	Class B	Class C
Density (g/cc)	1.10		1.52	
Service Temperature	-65 to 250°F (-54 to 121°C)		-65 to 250°F (-54 to 121°C)	
Non-volatile Content	84%	97%	98%	90%
Base Viscosity (poise)	100–500	11,000–13,000	9,500–16,000	2,000–4,000
Minimum Application Life	A-1/2: 30 min. A-2: 2 hrs.	B-1/2: 30 min. B-2: 2 hrs.	B-1/2: 30 min. B-2: 2 hrs. B-6: 6 hrs. B-12: 12 hrs.	C-8: 8 hrs. C-48: 48 hrs.
Typical Cure Time	A-1/2: 24 hrs. A-2: 48 hrs.	B-1/2: 5 hrs. B-2: 10 hrs.	B-1/2: 6 hrs. B-2: 24 hrs. B-6: 72 hrs. B-12: 120 hrs.	C-8: 7 days C-48: 5 weeks

**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.

**Warranty and Limited Remedy:** Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature. 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

**Limitation of Liability:** Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental, or consequential regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



### 3M Aerospace and Commercial Transportation Division

3M Center, Building 223-1N-14  
St. Paul, MN 55144-1000  
1-800-235-2376  
www.3M.com/aerospace

Please recycle. Printed in USA.  
© 3M 2015. All rights reserved.  
Issued: 3/15 10320HB  
60-9700-0407-7

3M is a trademark of 3M Company.