

## Av-DEC SpraySeal® Sprayable Sealant

Av-DEC SpraySeal® for aircraft interiors is a two-component polyurea material that is designed to create a watertight, flexible sealant to protect aircraft surfaces against corrosion. The low viscosity allows the material to be applied via spray or brush application. Av-DEC SpraySeal's transparent nature allows for inspection of the protected surface through the material without removing the sealant from the surface. The adhesive strength and cohesive strength for this material are carefully balanced to create a durable coating that can be cleanly removed for service or access to coated parts. This product is commonly used to protect large contiguous areas as well as irregular or complex structural surfaces, particularly corrosion-vulnerable areas such as under lavatories and galleys.



| FEATURES  | BENEFITS  |
|---|---|
| Transparent to allow inspection without removal | Corrosion protection, improved reliability, repair/scrap cost avoidance, structural repair and cost avoidance |
| Fast curing                                     | Reduction in: return-to-service time, troubleshooting time, labor cost, hangar time                           |
| Ease of installation and removal                | No solvents required, no scraping required, no paint adhesion issues  |
| Leaves no residue upon removal                  | Non-hazardous; no silicone oil residue before, during, or after installation or removal                       |
| Strong adhesion to most substrates              | Positive moisture barrier, easy floorboard removal, provides noise and vibration dampening                    |



## TYPICAL PHYSICAL PROPERTIES

|  |  |
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| Part Number Series   | SF2470   |
| Color, properly mixed  | Clear  |
| Reaction ratio - by volume   | 100 : 100  |
| Specific gravity, mixed, at 77°F / 25°C<br>(Calculated)  | 1.08 to 1.10   |
| Viscosity, resin, Cps. at 77°F / 25°C<br>(ASTM D2556)  | 750 to 1,300   |
| Viscosity, hardener, Cps. at 77°F / 25°C<br>(ASTM D2556)   | 180 to 275   |
| Working life at 77°F / 25°C  | < 5 minutes  |
| Gel time, 10 g mass at 77°F / 25°C (ASTM D7997)  | < 14 minutes   |
| Shelf life - in original packaging and stored about<br>55°F / 13°C   | Six months   |
| Storage temperature  | 55.4°F / 13°C  |
| Service Temperature Guide<br>(RTCA DO-160G, Section 5, 2 cycles)   | 85°F to 185°F / -65°C to 85°C  |
| Application temperature  | 55.4°F / 13°C  |
| Hardness, Shore "A" at 77°F / 25°C @24 hrs<br>(ASTM D2240)   | > 40   |
| Dielectric Strength (ASTM D149 Method A)   | > 400 V/mil  |
| Tensile Strength (ASTM D412)   | > 340 psi  |
| Elongation (ASTM D412)   | > 310%   |
| Fire Retardant per 14 CFR, PART 25-Subpart D,<br>§ 25.853 Compartment interiors &<br>§ 25.855 Cargo or baggage compartments<br>Appendix F, Part I, (a)(1)(ii) (12 sec vertical test) | Passed at all thicknesses tested:<br>0.060", 0.080", 0.250"                            |
| SDS  | SDS information can be requested at <a href="mailto:info@avdec.com">info@avdec.com</a> |

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—Av-DEC PROPRIETARY—

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