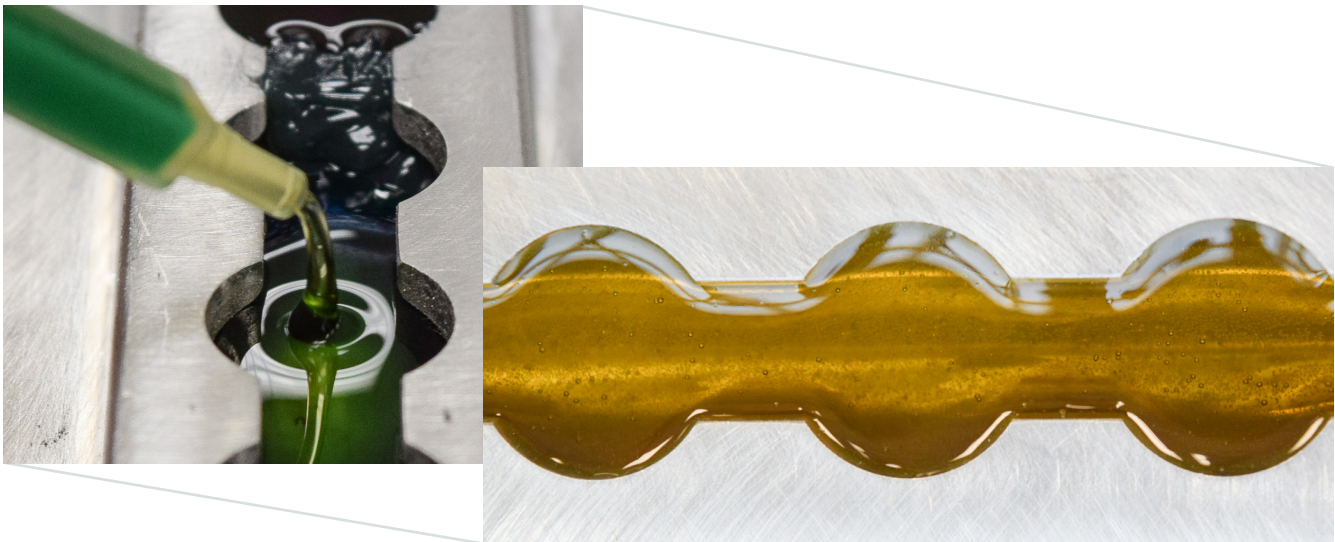


Av-DEC Self-Leveling[®] Clear

Av-DEC Self-Leveling[®] Clear for aircraft interiors is a two-component polyurea material that is designed to create a watertight, flexible seal to protect aircraft surfaces against corrosion. The low viscosity of this sealant allows it to be applied via spray or brush application. The transparent nature of Self-Leveling[®] Clear allows for “see through” inspection of the protected surface 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 for 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.



The sealant undergoes a two-stage color change during the cure cycle. It will rapidly change from amber to green as the material gels and then will slowly return to amber as the material fully hardens.

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, hanger 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

Part Number Series	SF2470
Color, properly mixed	Clear
Reaction ratio (by volume)	100 : 100
Specific Gravity, mixed, at 77°F / 25°C (Calculated)	1.08 to 1.10
Viscosity, resin, Cps at 77°F / 25°C (ASTM D2556)	750 to 1,300
Viscosity, hardener, Cps. at 77°F / 25°C (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 above 55°F / 13°C	Six months
Storage temperature	> 55°F / 13°C
Service Temperature Guide (RTCA DO-160G, Section 5, 2 cycles)	-85°F to 185°F / -65°C to 85°C
Application Temperature	> 55°F / 13°C
Hardness, Shore "A" at 77°F / 25°C @ 24 hrs (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, § 25.853 Compartment interiors & § 25.855 Cargo or baggage compartments Appendix F, Part I, (a)(1)(ii) (12 sec vertical test)	Passed at thicknesses: 0.060", 0.080", 0.250"
SDS	SDS information can be requested at info@avdec.com

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—Av-DEC PROPRIETARY—

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