

TufStuff™

Av-DEC's two-component polyurethane material is designed for use as a weather-tight, self-leveling, rigid sealant. The rigid nature of this system provides potential abrasion resistance where minor traffic is expected (i.e., cargo bay tie down areas). The system demonstrates excellent cohesion after installation or repair and provides a high degree of environmental protection with maximum sealing. The common uses are in the cargo bay tie down areas and behind chemical toilet areas to cover Self-Leveling Green®.



TufStuff™ installed on leading edge of antenna.

FEATURES	BENEFITS
Provides a high level of tack to most substrates	Moisture barrier, corrosion protection, improved reliability, repair/scrap
Ease of installation	Low viscosity and cohesive properties assure proper sealing with 100% surface contact
Ease of removal	Reduction in: return-to-service time, troubleshooting time, labor cost, hanger time
Leaves no residue when removed	No solvents required, no scraping required, no paint adhesion issues
Replaces moisture-retaining products around connectors	Non-hazardous, no residue before, during, or after installation or removal



TufStuff™ applied to Cargo Fitting.

TYPICAL PHYSICAL PROPERTIES		
Part Number Series	TS1228	TS1176
Color, properly mixed	Clear	Light Amber
Reaction ratio - by volume	100 : 200	100 : 100
Specific Gravity, mixed, at 77°F / 25°C (Calculated)	1.05 to 1.07	1.05 to 1.08
Viscosity, resin, Cps. at 77°F / 25°C (ASTM D2556)	75 to 250	1,100 to 2,000
Viscosity, hardener, Cps. at 77°F / 25°C (ASTM D2556)	700 to 1200	175 to 450
Working Life at 77°F / 25°C	< 8 minutes	
Gel time, 10 g Mass at 77°F / 25°C (ASTM D7997)	< 12 minutes	8 to 12 minutes
Shelf life - in original packaging and stored above 55°F / 13°C	9 months	
Storage temperature	> 55.4°F / 13°C	
Service temperature guide (Per RTCA DO-160G Section 5, 2 cycles)	-85°F to 275°F / -65°C to 135°C	
Application temperature	> 55°F / 13°C	
Hardness, Shore "A" at 77°F / 25°C at 24 hrs (ASTM D2240)	> 50	
Hardness, Shore "D" at 77°F / 25°C at 24 hrs (ASTM D2240)		25 to 40
Dielectric Strength (ASTM D149 Method A)	> 400 V/mil	
Tensile Strength (ASTM D412)	> 350 PSI	> 300 PSI
Elongation (ASTM D412)	> 60%	> 45%
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	
SDS	SDS information can be requested at info@avdec.com	

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