

ThixoShield™ - TW1102 Leading Edge Sealant

Two component polyurethane material designed for use as a durable erosion resistant coating for the leading edges on aircraft components. The system provides a UV resistant barrier that adheres well to common surfaces and coatings. Its viscosity allows for application on vertical surfaces and gives a smooth finish free of brush marks.



APPLICATION CHARACTERISTICS

ThixoShield™ is intended to be used as a fast-curing leading edge sealant or faying surface sealant. Common uses include vertical and horizontal leading edges, canoe fairings, belly fairings, and any other areas that see high levels of erosion.

Equipment:	Dispenser, Brush
Packaging:	50cc or 200cc Cartridge



PHYSICAL PROPERTIES

Part Number:	TW1102
Color, properly mixed:	White
Color, Part A:	Clear
Color, Part B:	White
Reaction Ratio - by weight:	188:100 Part A: Part B
Reaction Ratio - by volume:	200:100
Specific Gravity, mixed, at 77°F/25°C (Calculated):	1.10-1.16
Specific Gravity, resin, at 77°F/25°C (ISO 2811):	1.10-1.15
Specific Gravity, hardener, at 77°F/25°C (ISO 2811):	1.10-1.16
Viscosity at 25°C, 0.174s⁻¹	
Part A:	45,000 - 65,000 cP
Part B:	20,000 - 40,000 cP
Working Life at 77°F/25°C:	< 10 minutes
Shelf Life - in original packaging and stored above -4°F/-20°F:	6 months
Storage Temperature:	> -76°F/-60°C
Application Temperature:	> -14°F/-10°C
Hardness, Shore "A" at 77°F/25°C @ 24 hrs (ASTM D2240):	> 75
Tensile Strength (ASTM D412):	> 550 PSI
Elongation (ASTM D412):	> 100%
Fluids Resistance (RTCA DO-160G, Section 11):	Contact technicalsupport@avdec.com

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