

Thixoflex® White Injectable Sealant

Thixoflex® White is a two-component polyurethane material designed for use as a durable, watertight sealant, that is resistant to UV. This material demonstrates excellent cohesion to itself (cohesion) and allows for easy removal when necessary. The thixotropic properties of the uncured sealant allow it to be used on vertical or overhead applications. The system provides a high degree of environmental protection with maximum sealing.



Wing-to-body fairing sealing with Thixoflex® White

APPLICATION CHARACTERISTICS

Thixoflex® White is intended to be used as a fast-curing perimeter sealant, gap sealant, or faying surface sealant. Common uses include sealing antennas, lights, panels, leading edges, cock pit windows, and passenger windows.

Equipment:

Dispenser, Spatula or Smoothing Tool

Packaging:

50cc or 200cc Cartridge



Thioxflex® White antenna sealing and hole plug applications

PHYSICAL PROPERTIES

Part Numbers:	TW4872	TW4872EC
Color, properly mixed:	White	White
Color, resin:	White	White
Color, hardener:	White	White
Reaction Ratio - by weight:	104:100 Part A: part B	104:100 Part A: part B
Reaction Ratio - by volume:	100:100	100:100
Specific Gravity, mixed, at 77°F/25°C (Calculated):	1.08-1.10	1.08-1.10
Specific Gravity, resin, at 77°F/25°C (ISO 2811):	1.10-1.13	1.10-1.13
Specific Gravity, hardener, at 77°F/25°C (ISO 2811):	1.06-1.08	1.06-1.08
Viscosity, resin, Cps. at 77°F/25°C (ASTM D2556):	500000 - 700000	500000 - 700000
Viscosity, hardener, Cps. at 77°F/25°C (ASTM D2556):	950000 – 1200000	950000 – 1200000
Working Life at 77°F/25°C:	< 15 minutes	< 40 minutes
Shelf Life - in original packaging and stored above -4°F/-20°F:	Nine months	Nine months
Storage Temperature:	> -4°F/-20°C	> -4°F/-20°C
Service Temperature Guide (RTCA DO-160G, Section 5, 2 cycles)	-85°F to 185°F /-65°C to 85°C	85°F to 185°F /-65°C to 85°C
Application Temperature:	> 14°F/-10°C	> 14°F/-10°C
Hardness, Shore “A” at 77°F/25°C @ 24 hrs (ASTM D2240):	> 35	>35
Peel Strength Per MIL-PRF-81733 (Class 1, Type II) MIL-PRF-23377 Primer MIL-C-81706 Class 1A Alodined Coupon	> 18 PIW > 15 PIW	> 13 PIW > 7 PIW
Peel Strength (ADTM 6002):	> 24 PIW	> 24 PIW
Tensile Strength (ASTM D412):	> 700 PSI	> 700 PSI
Elongated (ASTM D412):	> 700%	> 700%
Fluids Resistance (RTCA DO-160G, Section 11):	Contact technicalsupport@avdec.com	
Jet-A Fuel Resistance:	Excellent	

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info@avdec.com
817-738-9161