

# Thixoflex® Orange and Thixoflex® Gray

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This two component urethane material is designed for use as a watertight, thixotropic, flexible sealant. The flexible nature of this system provides for easy access for repair long after the original application. The thixotropic properties of the sealant allow it to be used on vertical or overhead applications without dripping or sagging. The system demonstrates excellent adhesion to itself for repair, and provides a high degree of environmental protection with maximum sealing. Common uses are in filling gaps and voids, recessed screw heads and vertical/overhead applications.



*C130 Interior Window Installation*

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

For a full list of NSN's please visit our website, [www.avdec.com](http://www.avdec.com)

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## Typical Physical Properties

Product Name	Thixoflex® Orange	Thixoflex® Gray 1:1	Thixoflex® Gray 2:1
Part Number – 50cc	TF2219-50	TG8498-50	TG2010-50
Part Number – 200cc	TF2219-200	TG8498-200	TG2010-200
Reaction Ratio (by weight)	100 : 93.3 Resin to Hardener	100 : 92.7 Resin to Hardener	100 : 170 Resin to Hardener
Reaction Ratio (by volume)	100 : 100	100 : 100	100 : 200
Color, resin	Red	Cream	Cream
Color, hardener	Yellow	Black	Black
Color, properly mixed	Orange	Gray	Gray
Specific Gravity, Resin, at 77°F (25°C)	1.02 to 1.04	1.03 to 1.05	1.14 to 1.16
Specific Gravity, Hardener, at 77°F (25°C)	0.95 to 0.97	0.95 to 0.97	0.97 to 0.99
Specific Gravity, mixed, at 77°F (25°C)	0.98	1.01	1.04
Viscosity, Resin, Cps at 77°F (25°C)	20,000 to 30, 000 (Thixotropic)	20,000 to 30, 000 (Thixotropic)	20,000 to 35, 000 (Thixotropic)
Viscosity, Hardener, Cps at 77°F (25°C)	50,000 to 65,000 (Thixotropic)	50,000 to 65,000 (Thixotropic)	30,000 to 45,000 (Thixotropic)
Gel time, 10 g Mass at 77°F (25°C)	< 7 minutes	< 7 minutes	< 10 minutes
Full Cure at 77°F (25°C)		<4 hours	
Working Life at 77°F (25°C)	< 3 minutes	< 3 minutes	< 4 minutes
Hardness, Shore "OO" at 77°F (25°C)	55 to 75	60 to 80	50 to 70
Storage Temperature		>55.4°F (13°C)	
Shelf life, sealed container	Nine months (in original packaging and protected from UV exposure)		
Service Temperature Guide	-85°F to 275°F (-65°C to 135°C)		
Application Temperature	>55.4°F (13°C)		
Peel Strength	1.94 piw	1.76 piw	1.05 piw
Tensile Strength (ASTM D412)	62.07 PSI	68.97 PSI	172.4 PSI
Salt Fog 3000hrs (ASTM B117)	No Corrosion Present		

Av-DEC high cohesion—low adhesion sealants are available from 1000 centipoise to 65,000 centipoise. Working time can vary from 5 minutes to 2 hours. Full cure time can vary from 30 minutes to 48 hours depending on temperature.