

# TechSeal

L.L.C.  
sealant & adhesive products

## Urethane Adhesive

### A2000

TechSeal A2000 is an excellent adhesive for many substrates and has durable elastomeric properties. It achieves good bonds to polycarbonate, polyvinyl chloride, polysulfone, styrene butadiene, synthetic/natural rubber blends, acrylics, metals, woods and painted surfaces. All materials are CFR21 Part 175 compliant; food grade contact.

#### Product Specifications

Property	Part A	Part B	Blend
Blending Ratio by volume	100	50	
Blending Ratio by weight	100	62.5	
Color	Colorless	Amber	Colorless
Density, ASTM DO0792	8 lbs/gal	10.1 lbs/gal	8.8 lbs/gal
Expansion, Coefficient-linear therm exp			0.000074
Gel Temp			76-78 F
Gel Time in minutes (162 gram)			35-65 min
Hardness, Shore A			90
Odor intensity	mild	neutral	
Peel, ASTM D1876, T-Peel			34 lbs/in
Shelf Life	365 days	180 days	
Solids Content	100%	100%	100%
Tensile Strength, ASTM D638 @140 F			290 lbs/sq in
Elongation			115%
Lap Shear Tensile Strength ASTM D1002 @140 F on Alum			450 lbs/sq in
Tensile Strength, ASTM D638 @73 F			2,100 lbs/sq in
Elongation			380%
Lap shear Tensile Strength ASTM D1002 @73 F on Alum			1400 lbs/sq in
Viscosity, cps	700,000	900	22,000
VOC, EPA 450	0	0	0

#### Application

**Surface preparation:** Surfaces must be clean, dry and free from grease, oil, wax, weak oxide surfaces and other contaminants.

**Proportioning and Mixing:** Meter-mix equipment with automatic purge is recommended. Hand mixing may be difficult.

**Cure Times:** 3-7 hours at 77 F, for minimal handling  
Full cure 1-2 days at 77 F, or 2-4 hours at 155 F

**Storage and Handling**

Use good personal hygiene, Avoid eye and skin contact. Wash contaminated clothing before reuse. Store material in closed container in a cool, dry place. It is recommended that containers be purged with nitrogen after they are used and not all material is used.

**Caution:**

Respiratory irritant. Vapors harmful. Sensitizers. Eye and skin irritant. Harmful if swallowed. Read and follow all warnings on MSDS

**Warranty**

Important: while the information and data contained herein are presented in good faith and believed to be reliable, they do not constitute part of our terms and conditions of sale. Nothing herein shall be deemed to constitute a warranty express or implied that said information or data are correct or that the products described are merchandise or fit for a particular purpose, or that said information data products can be used without infringing patents of third parties. TechSeal's sole warranty is that the product will meet the specifications at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase prices or replacement of any product shown to be other than as warranted



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