



1260 Birchwood Drive, Sunnyvale, CA 94089

Telephone (408) 734-4402 Fax (408) 734-4502

www.uvexs.com

602 SERIES

UV Curable Adhesives & Sealants

DESCRIPTION

A versatile, elastic gel series for holding wires and components in place on PCB and PWB assemblies, and for sealing or potting of connector assemblies. Excellent adhesion to a wide range of solder masks, metals and plastics with elastic characteristics similar to RTV silicone. Cures rapidly when exposed to high intensity UV energy, while shadow areas under components may be post cured with heat. Applications include wire tacking, strain relief to solder joints, connector and switch sealing, and protection of potentiometer adjustments. Remains easily repairable by cutting or peeling. A single component formula with a range of viscosities from self-leveling to thixotropic gel.

CURE SCHEDULE

Expose to a medium pressure mercury vapor type lamp operating at a minimum of 200 watts per inch input power. For shadow areas, use the secondary heat cure schedule to prevent residual uncured material on or under components.

Minimum Intensities*: 25 mW/cm² @ 254 nm
120 mW/cm² @ 365 nm

* Measured with UVEXS PM 600 radiometer

Exposure: <10 seconds, depends on application thickness

Post cure option: 10-15 minutes @ 100°C

STORAGE AND HANDLING

Shelf life is warranted for a minimum of 6 months from date of shipment when stored in darkness at 50-75°F, in its original container. Avoid contact with skin and eyes as directed on the MSDS. Use with adequate ventilation.

UNCURED PROPERTIES

Base resin: urethane
Solids: 100%, no solvents
Components: one
Color: clear to translucent
Flash point: >200°F
Viscosity by product:
602E 110 cps
602F 45,000 cps, thixotropic
602D thixotropic gel *

* 200,000+ cps @ 21°C, Brookfield LVF with #6 spindle.

CURED PROPERTIES

Hardness: 30 (shore A)
Elongation: 275%
Tensile: 500 psi

PACKAGING

602 Series adhesives are available in dispensing syringes and cartridges. Contact UVEXS for a price list by container type:

Dispensing - 10cc, 30cc, 6oz, 12oz