



Solar Compounds Corporation
1201 West Blancke Street
Linden, NJ 07036 USA
Ph: 908-862-2813 Fax: 908-862-8061
Intnl: Ph: (0101) 908-862-2813 Fax: (0101) 908-862-8061
www.solarcompounds.com

TECHNICAL DATA SHEET

SOLARITE EA- 0457 BLACK

DESCRIPTION: Solarite EA- 0457 is a flexible epoxy adhesive compound, with excellent strength under static and dynamic loading. EA- 0457 is designed for bonding fiberglass laminations to wood and polyolefin plastics associated with ski and snowboard construction. A heat cure is recommended for optimal properties.

SPECIFICATIONS—UNCURED:

	Part A	Part B
Color, Visual	Black	Amber
Mix Ratio - By Weight	100	40
Mix Ratio - By Volume	100	49
Viscosity, cps, ASTM-D-2393	4,900	3,800
Specific Gravity	1.15	0.95
Gel Time, 25°C, Hours		1.1-1.3
Mixed Viscosity, cps, ASTM-D-1084		4,000
Shelf Life, 25°C, Months		12

SPECIFICATIONS—CURED:

PHYSICAL:

Durometer, ASTM-D-2240	84D
Compressive Strength, psi, ASTM-D-695	18100
Tensile Strength, psi, ASTM-D-638	5900
Lap Shear, psi, Steel/Steel	2700
Peel Strength, lb/in, avg.	6-15

USE INSTRUCTIONS:

1. Pre-mix contents of each container before use to ensure the entire contents are uniform. Measure out components of the product by weight and mix thoroughly together to incorporate any settled material.
2. De- air if necessary at 760 mm of Hg for 5-10 minutes.

CURE SCHEDULE:

Initial cure is achieved in 16-24 hours at room temperature. Final cure takes at least 7-10 days at 72F. To accelerate the cure higher temperatures can be used, 10-15 minutes at 190 F is usually sufficient .,

STORAGE REQUIREMENTS:

Store in a cool dry place.

IMPORTANT:

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HEALTH CAUTION:

Avoid breathing possible fumes, mists and vapors, which can cause severe respiratory damage. Use of NIOSH approved breathing apparatus is required for more than minimal exposure. Always work in areas with adequate ventilation to allow dissipation of polyamine and other chemical fumes, and where applicable, solvent fumes. Use of goggles, protective garments, rubber gloves, protective cream is required. If material gets into eyes, flush thoroughly with clear water for twenty (20) minutes; then seek medical treatment. Avoid skin contact. Material can cause contact dermatitis. Always wash exposed areas immediately, using warm water and soap, followed by rinsing with clean water. Observe all safety precautions. It is important when using solvent based materials or solvents to keep away from open flame or ignition source.

PLEASE REFER TO MATERIAL SAFETY DATA SHEET FOR FURTHER FIRST AID INFORMATION.

FOR CHEMICAL EMERGENCY
CALL CHEMTREC (DAY OR NIGHT) 800-424-9300.