

## Seamlock 8000 Acrylic Seaming Adhesive

### 1. DESCRIPTION

Seamlock 8000 is a two-part crystal-clear acrylic seaming adhesive designed for the bonding of various substrates, including hard surface products including granite, engineered stone, quartz, marble, cultured marble, glass, sintered stone, porcelain, various ceramic surfaces) and solid surfaces. Combined at a ratio of 10 to 1, SL8000 has a working time of 8 to 12 minutes and achieves nearly 90 percent of its ultimate strength in 30 minutes at room temperature curing. SL8000 provides high bond strength to the above reference surfaces with generally no preparation effort. SL8000 has excellent UV resistant properties and are UV STABLE, AND WILL NOT YELLOW OVER TIME.

**Company Identification: Big Dog Adhesives LLC.**

435 Harrison Street  
Elkhart, IN 46516-2717  
Toll-free: 833-BIG-DOGG (833-244-3644)  
Fax: 833-BIG-DOGZ (833-244-3649)  
Website: [www.bigdogadhesives.com](http://www.bigdogadhesives.com) [sales@bigdogadhesives.com](mailto:sales@bigdogadhesives.com)

### 2. CHARACTERISTICS:

**Room Temperature Cure**

- Working Time
- Fixture Time
- Can be Moved In
- Operating Temp.
- Gap Filling
- Mixed Density
- Flash Point

**Properties**

8 to 12 minutes (at 75°F/ 24°C)  
20 to 25 minutes (at 75°F/ 24°C)  
30 minutes  
65°F to 85°F (18°C to 30°C)  
.250 inches  
8.1 lbs/gal (.96 g/cc)  
51°F (11°C) – See SDS for more safety information

### 3. CHEMICAL RESISTANCE:

**Excellent Resistance to:**

- Hydrocarbons
- Acids and Bases
- Vinegar
- Wine and Condiments
- Most Household Foods

**Susceptible to:**

Polar Solvents  
Super Strong Acids and Bases

### 4. PHYSICAL PROPERTIES:

**Uncured:**

- Viscosity(cps)
- Color
- Density (lbs/gal)
- Mix Ratio (wt or vol)
- Mixer Recommendation Cartridge (200/400ml):

**Resin**

30,000 – 60,000  
Various  
8.2  
10.0

**Activator**

20,000 to 50,000  
Clear  
8.0  
1.0

MFQX 08-24T – Square 24 element  
Green/Orange Mix Tips (10:1)

## 5. MECHANICAL PROPERTIES:

Tensile Strength (ASTM D638)	Substrate	Results	Failure Type
• Strength, psi	Fiberglass Surfaces	2,500+	Substrate
• Strength, psi	Acrylic Sheeting	1,000+	Substrate
• Strength, psi	Polycarbonate Sheeting	1,000+	Substrate

## 6. HANDLING AND APPLICATION:

**SL8000** resin (Part A) and activator (Part B) are flammable. Contents include Methacrylate ester and acids. Keep containers closed after use. Wear gloves and safety glasses to avoid skin and eye contact. Wash with soap and water after skin contact. In case of eye contact, flush with water for 15 minutes and get medical attention. Harmful if swallowed. Keep out of the reach of children. Keep away from heat, sparks, and open flames. Do not smoke cigarettes or anything else while handling or near the product. Refer to the SL8000 Safety Data Sheet for more complete safety instruction. To assure maximum bond strength, surfaces must be mated together within the specified working time, and all clamps affixed within that time. Use sufficient material to ensure that the joint is completely filled when parts are mated and clamped. Avoid over clamping parts, which may cause a dry joint or a joint starved of adhesive. All adhesive application, part positioning, fixturing, and clamping should occur before the working time of the adhesive has expired. After the indicated working time, parts must remain undisturbed until the fixture time is completed. Components bonded, adhesive, and shop temperature can have a significant effect on the work and fixture time of the adhesive. Application of SL8000 adhesive at temperatures between 65°F and 85°F (18°C and 30°C) will ensure proper cure. Temperatures below 65°F (18°C) will slow cure and fixture speed. SL8000 adhesives will still react, but will take longer. Temperatures above 85°F (18°C and 30°C) will increase cure and fixture speeds, and there's a risk that the adhesive will be hardened or too thick to bond materials. The viscosities of SL8000 adhesives are affected by temperature.

**NOTE:** Because of the curing features of SL8000 adhesives, large amounts of heat are generated when large masses of material are mixed at one time. The heat generated by the exotherm resulting from mixing large amounts of adhesive can result in a boiling of the monomer in the adhesive (methyl methacrylate), resulting in the release of trapped air, steam and volatile gasses. To prevent this, use only enough material as needed for use within the working time for the product, and confine the gap or spread out the material to no more than .50 inches.

## 7. HANDLING AND STORAGE

The shelf life of SL8000 is twelve (12) months from the date of manufacture based upon continuous storage at room temperature (77°F or 25°C). Storage of SL8000 adhesives in refrigerated compartments will extend the shelf life even more. Do not store SL8000 adhesive or any other adhesives in a refrigerator which has food or lunch products in them. Be sure to bring SL8000 adhesives to room temperature for 24 hours before use, otherwise longer cure and fixture times may be expected. Long-term storage at temperatures above room temperature will shorten the shelf life of SL8000 adhesives considerably. Storage at temperatures above 100°F or 38°C could shorten the shelf life to less than one month. SL8000 adhesives contain no water, so freezing of the adhesive for short periods is permissible, but is not encouraged.

## 8. ADDITIONAL INFORMATION

**NOTE:** Information contained herein is based on tests we believe to be reliable and accurate. It is offered in good faith for the benefit of the consumer. The Company shall not be liable for any injury, loss, or damage in the use or handling of its chemical products since conditions and use are beyond our control. In every case, we urge and recommend the user conduct tests to determine to their own satisfaction that the product is of acceptable quality and suitability for their particular purpose under their own operating conditions. Statements concerning possible use of our products are not



# TECHNICAL DATA SHEET

615 S 4<sup>th</sup> Street, Elkhart, IN 46516-2717

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[www.bigdogadhesives.com](http://www.bigdogadhesives.com)

Ph: 833-BIG-DOGG (833-244-3644)

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intended as recommendations to use our products in the infringement of any patent, or for any particular purpose or application. These products are intended for industrial use only.