

## SCProbond™ LV-1

### Low Viscosity Epoxy Adhesive

**Description:** SCProbond™ Low Viscosity Epoxy Adhesive LV-1 is a non-corrosive epoxy system specially formulated to install SCProbond material handling components. This toughened two-part material is suitable for horizontal applications.

**Ordering Information:** Part Number: SCProbond LV-1  
 Kit Size 22LB Kits

**Product Advantages:** Easy to mix  
 Color: Off White Paste  
 Easy to use 1:1 formula  
 Excellent adhesion to metal, ceramic and concrete.  
 VOC , BGE and Solvent Free

**Application Guidelines:** **Maximum Service Temp 200°F**  
**Working Time 4 Hours**  
**Functional Cure 8 Hours @ 70°F**  
**Mix Ratio 1:1 pbv**

**Coverage/lb:** 76 sq in./lb @ ¼" Thick

<b>Physical Properties:</b>	<b>Tensile Shear Strength</b>	<b>2,130 psi</b>	<b><u>Tests Conducted</u></b>
	<b>Compressive Strength</b>	<b>11,500 psi</b>	<b>ASTM D 1002</b>
	<b>Flexural Strength</b>	<b>8,770 psi</b>	<b>ASTM D 790</b>
	<b>Hardness Shore D</b>	<b>82</b>	<b>ASTM D 695</b>
			<b>ASTM D 2240</b>

**Surface Preparation:** The surface to be coated must be free of all rust, scale, dirt, dust, grease, oil, release agents, or other contaminants. The more thorough the degree of surface preparation the better the applied epoxy will perform. If at all possible, it is recommended that the surface be grit blasted to a near white metal finish prior to pouring the material.

**Measuring:** **Partial kit usage is not recommended.** If you need less than the amount of SCProbond LV-1 Epoxy Adhesive in the smallest kit, accurately weigh or measure by volume the resin and hardener following the mixing ratios shown under Application Guidelines. **Do not attempt to "eyeball" the mixture needed.**

Mixing:  
Instructions

Empty all the hardener into the resin and thoroughly mix with a trowel or heavy-duty, slow-speed drill and mixing paddle until uniform in color, usually 2 to 5 minutes. Remember, incomplete mixing will result in incomplete curing, soft spots, and poor performance. If the kit becomes colder than 60°F, preheat the cans in hot tap water to a maximum of 90°F. Excessive heat will reduce the work life. **Do not heat cans with torch.**

Application  
Instructions

Working time and cure depend on temperature and mass. The higher the temperature the faster the cure. Apply SCProbond LV-1 Epoxy Adhesive with either a smooth or notched trowel.

TO APPLY

1. Apply Epoxy Adhesive to base
2. Press tile from its center outward to force out excess adhesive and eliminate air entrapment
3. Pound tile with a rubber hammer to ensure a close fit
4. Scrape excess adhesive from tile seams

Curing  
Procedures:

Epoxy Adhesive has a very high green strength, which means that tiles will not slip during the cure process unless excessive adhesive has been applied or air has become entrapped under the tile. Applying epoxy at temperatures below 70°F lengthens functional cure and pot life times. Store in a cool dry place.

### SAFETY PRECAUTIONS

Avoid breathing of vapors. Forced local exhaust is recommended to effectively minimize exposure. NIOSH approved, organic vapor respirators and forced exhaust are recommended in confined areas, or when conditions (such as heated polymers, sanding) may cause high vapor concentrations. **DO NOT WELD ON, BURN OR TORCH ON OR NEAR, ANY EPOXY MATERIAL. HAZARDOUS VAPOR IS RELEASED WHEN AN EPOXY IS BURNED.**

Avoid skin or eye contact. Wash skin with soap and water if contact occurs. If eye contact occurs flush with water for 15 minutes and obtain medical attention. Read and understand all cautions on can labels and safety data sheets before using this material.

### WARRANTY AND DISCLAIMER

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