

Chem-Set Substrate Bonder 5000-SB

1. DESCRIPTION:

Chem-Set Substrate Bonder is a two-part, unfilled, room temperature cure, urethane adhesive designed for bonding of Quartz, Solid Surface, Natural and Engineered Stone to wood, particle board, plywood or other substrates. The Substrate Bonder is strong but highly flexible in nature with a rapid cure. It is especially formulated for a 1:1 mix ratio for use in side-by-side cartridges, or to be used by hand mixing, or use with Meter Mix Equipment. Substrate Bonder is Low VOC and is non-flammable.

A handling cure is normally achieved at room temperature within 30 minutes.

2. CHARACTERISTICS:

Room Temperature Cure Properties

Work Time:	7 to 10 minutes (at 75°F/ 24°C)
Full Cure:	20 to 30 minutes
Operating Temp.	60° to 80° F (16° to 27° C)
Mixed Density:	1.3 g/L
Viscosity:	Resin (Part A) 2,000 CPS Hard (Part B) 45,000 CPS
Color:	Resin (Part A) Clear Activator (Part B) Amber Mixed: Light Amber
Mix Ratio:	1 Part A to 1 Part B (1:1)
Lap Shear Strength:	>100 PSI
Elongation:	>100%
Dielectric Constant	3.6 (at 25C, 100Hz)
Shelf Life:	12 Months
VOC Content:	0% by weight

3. Handling and Storage:

- A. Bring both components to room temperature prior to mixing. Mix 1 part A to 1 part B thoroughly for 30 to 60 seconds, or dispense readily from cartridges through the Static Mixer Tip.
- B. Dispense mixed material over properly positioned devices to be glued together.
- C. Parts may be handles within 30 minutes at normal room temperatures.

4. 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 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.



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