

# CHO-BOND® 1085

## Silicone Adhesive Primer

Parker Chomerics CHO-BOND primers 1085 is an air-drying liquid coating used to improve the adhesion of Parker Chomerics CHO-BOND conductive silicone compounds to metal and other non-silicone substrates.

The primer is moisture reactive and clear in color. CHO-BOND 1085 primer is formulated to achieve maximum adhesion on non-silicone substrates for CHO-BOND 1029 adhesive.

Note that typically, the proper primer comes bundled as a "kit" with the CHO-BOND or CHO-THERM compound ordered. However, if extra primer is deemed necessary, then part numbers for just the primer are provide in Table 2.

See the Conductive Compounds Selector Guide for a more detailed listing of which CHO-BOND adhesive / sealant part numbers come packaged as a kit with the primer and which do not.

### Typical Applications:

For best bonding results, use the following procedure:

1. Surfaces to be joined must be clean, dry and oil free. In a well-ventilated area, clean the substrates with isopropyl alcohol (IPA) and let the solvent flash off. (Other solvents, such as methyl-ethyl-ketone (MEK), toluene, or acetone can be used to clean difficult to remove contaminants).
2. Wet a lint-free cotton cloth with the primer and apply to the surface in horizontal and vertical strokes. Keep the surface wet at all times. A cotton swab is a common applicator for a grooved or stepped surface.

NOTE: Due to the low flash point temperature of the primer, ensure that the container is re-sealed immediately after use.

3. The primed surface must cure for 30 minutes at room temperature. A relative humidity of 40% to 70% is optimal. A low humidity level may require a longer cure time.

NOTE: There is no elevated temperature cure time for the primer.

4. Apply the CHO-BOND/CHO-THERM adhesive/sealant per that product's instructions.

NOTE: If the primer has been applied for more than 4 hours without the application of the adhesive/sealant, repeat steps 1 through 4.



# CHO-BOND® 1085 PRODUCT INFORMATION

| Typical Properties                             | CHO-BOND 1085            | Test Methods |
|------------------------------------------------|--------------------------|--------------|
| Viscosity @ 25°C (77°F), centistokes           | 5                        |              |
| Color                                          | Clear                    |              |
| Specific Gravity                               | 0.82                     |              |
| Flash point, °C (°F)                           | 14 (57)                  |              |
| Use Temperature, °C (°F)                       | -80 to 200 (-112 to 392) |              |
| Elevated Temperature Cure                      | None                     |              |
| Room Temperature Cure                          | 0.5 hr                   |              |
| Working Life                                   | N/A                      |              |
| Shelf Life, unopened, from Date of Manufacture | 9 months at 25°C (77°F)  |              |
| Minimum thickness recommended                  | 0.0001 in (0.00254 mm)   |              |
| Maximum thickness recommended                  | 0.0005 in (0.01270 mm)   |              |
| Volatile Organic Content (VOC)                 | 731 g/l                  |              |

## CHO-BOND® 1085 ORDERING INFORMATION

| Product       | Weight (grams) | Packaging  | Part Number     |
|---------------|----------------|------------|-----------------|
| CHO-BOND 1085 | 400            | 1 pint can | 50-01-1085-0000 |



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