



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

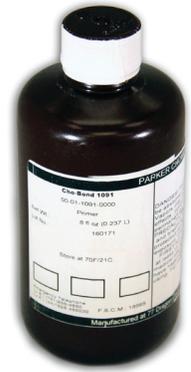
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# CHO-SHIELD® 1091 PRIMER

## ADHESION PROMOTER FOR CONDUCTIVE POLYURETHANE COATINGS



### Customer Value Proposition:

CHO-SHIELD® 1091 primer is an air-drying liquid coating for enhancing the adhesion of CHO-SHIELD 2000 series electrically conductive coatings and CHO-BOND 2165 to chemically treated aluminum, and most composite surfaces. Using CHO-SHIELD 1091 primer prior to application of the CHO-SHIELD 2000 series coatings / CHO-BOND 2165 sealant ensures optimal adhesion to the substrate eliminating the possibility of re-work due to adhesion issues.



### Product Features:

- Easy application
- Quick drying
- One component
- Red tint enhances visual inspection

### Contact Information:

Parker Hannifin Corporation  
**Chomerics Division**  
77 Dragon Court  
Woburn, MA 01801

phone 781 935 4850  
fax 781 933 4318  
chomailbox@parker.com

[www.chomerics.com](http://www.chomerics.com)  
[www.parker.com/chomerics](http://www.parker.com/chomerics)

### Application:

For best bonding results, use the following application procedure:

Thoroughly clean the chemically treated surface such as MIL-DTL-5541, Type II, Class 3 chromate conversion with an appropriate solvent such as methyl ethyl ketone (MEK), isopropyl alcohol (IPA), etc.

Air-dry for 15 minutes. Wet a lint-free cotton cloth with CHO-SHIELD 1091 primer. Apply primer to the surface in horizontal and vertical strokes. Keep the surface wet at all times. After the entire surface has been coated, air-dry at room temperature for 1 hour or at 88°C (190°F) for 30 minutes.

**Note:** If primed surfaces are not coated within 4 hours of the primer application, repeat the cleaning and primer application procedures, again, before coating. To eliminate the risk of an increase in surface resistance, only a light coating of the primer is recommended.

## CHO-SHIELD 1091 - Product Information

**Table 1 Typical Properties**

| CHO-SHIELD 1091                               |                                     |             |
|---|-------------------------------------|-------------|
| Properties                                    | Specifications                      | Test Method |
| Viscosity at 27°C (77°F), centipoises         | 5                                   | N/A         |
| Color   | Red                                 | N/A         |
| Specific Gravity                              | 0.8                                 | ASTM D792   |
| Flash Point                                   | 11 °C (52 °F)                       | N/A         |
| Continuous Use Temperature                    | - 52 °C to 82 °C (-67 °F to 180 °F) | N/A         |
| Elevated Temperature Cure Cycle               | 30 min. @ 88 °C (190 °F)            | N/A         |
| Room Temperature Cure                         | 1 hr.                               | N/A         |
| Working Life                                  | N/A                                 | N/A         |
| Shelf Life, unopened from Date of Manufacture | 9 months @ 25°C (77°F)              | N/A         |
| Minimum thickness recommended                 | 0.0001 in (0.00254 mm)              | N/A         |
| Maximum thickness recommended                 | 0.0005 in (0.01270 mm)              | N/A         |
| Volatile Organic Content (VOC)                | 800 g/l                             | Calculated  |

**Note:** N/A – Not Applicable, (Q/C) - Quality Conformance Tests, (Q) - Qualification Tests.

**Table 2 Ordering Information\***

| Product         | Weight (grams) | Packaging                    | Part Number     |
|-----------------|----------------|------------------------------|-----------------|
| CHO-SHIELD 1091 | 95             | 4 fluid ounce glass bottle   | 50-00-1091-0000 |
|                 | 375            | 8 fluid ounce plastic bottle | 50-01-1091-0000 |

\* CHO-SHIELD 1091 is provided with selected kits of CHO-SHIELD 2003. It is not provided with any kits of CHO-SHIELD 2001 or 2002.

[www.chomerics.com](http://www.chomerics.com)  
[www.parker.com/chomerics](http://www.parker.com/chomerics)

CHOMERICS and CHO-SHIELD is a registered trademark of Parker Hannifin Corporation. © 2013

TB 1120 EN July 2013



ENGINEERING YOUR SUCCESS.