


CAIG
LABORATORIES, INC.

DATA SHEET

Our products make your products perform!

CircuitWriter™ CW100L Liquid Conductive Ink

Part No.: CW100L

Formulation:

30-60%	SILVER
20-30%	4-CHLOROBENZOTRIFLUORIDE
10-20%	ACETONE
3-5%	ACRYLIC RESIN
1-2%	ORGANOPHILIC CLAY

Container Size:



CW100P	100%	pen	5 grams	low VOC
CW100L-4	100%	bottle	125 grams	low VOC
CW100L-12	100%	can	375 grams	low VOC
CW100L-32	100%	can	1000 grams	low VOC

Product Description:

Precision Conductive Ink. Apply instant traces on most surfaces (epoxy, glass, plastic, metal). Draw traces on circuit boards, repair defective traces, make jumpers and shield electronics, design prototype circuits and repair rear-window heater traces.

Specifications:

Color: Silver
Binder: Acrylic
Solids content by weight: 51.5%
Density: 14.1 lbs/gal
Electrical Resistance: < 0.017 ohm/sq/mil
Shielding Performance: 76 dB
Viscosity: 20-25 sec., #2 Zahn Cup @ 25 oC
Ideal Film Thickness: Between 0.4 and 1.0 mils
Theoretical Coverage: 340 Sq ft/gal @ 1 mil
VOC Content: 0.50 lbs/gal

Soldering: After heat curing only. Use low temperature soldering (less than 350oF) for not more than 5 seconds. Use low temperature soldering iron.

Shelf Life: If stored in dry cool space, 12 months after first use, 24 months if unopened.

IF SPRAYING:

Dilutent: acetone, recommended starting with 1:1 ratio by volume

Drying time: 10 min air, then 10 minutes at 180o (6" from 50 watt light bulb), or air cure for 24 hrs.

Recommended thickness: 0.5-1.5 mils dried

TYPICAL PROPERTIES WHEN DRIED:

Sheet resistance: 0.017ohms/sq/mil (25 um)

Attenuation: 76 dB

DeoxIT® Essential Reference:

DeoxIT® - *Brings old systems back to life!*

DeoxIT® GOLD - *Maintains new system performance!*

DeoxIT® SHIELD - *Maintains new system performance for severe environments!*

Shipping Information:

Hazardous: Yes

Shipping: Small quantities, ORMD. Refer to MSDS for additional information.

Other Information:

CW100L MSDS Link: <http://store.caig.com/app/site/media/sitemedia.nl/id.961/.f>

DeoxIT® Product Sheet: <http://store.caig.com/s.nl/it.l/id.64/.f?category=-117>

MentorCard Link: http://www.caig.com/pdf/MentorCards_2006_av.pdf

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