



QUICK-SPECS Info

QUICK SPECS FOR:

DeoxIT® D-Series (D100L)

DeoxIT® Gold G-Series (G100L)

DeoxIT® Gold Gx-Series (Gx100L)

DeoxIT® Gold Gx2-Series (Gx2)

DeoxIT® Gold Gx3-Series (Gx3)

DeoxIT® Shield S-Series (S100L)

A GENERAL INFORMATION: (1-Poor, 5-Excellent)		Notes						
A		DeoxIT®	DeoxIT®	DeoxIT®	DeoxIT®	DeoxIT®	DeoxIT®	DeoxIT®
B		D-Series	Gold	Gold GxL	Gold Gx2	Gold Gx3	Shield	Fader
1	Product Part Number (100% concentrate)	D100L	G100L	GX100L	Gx2	Gx3	S100L	F100L
2	Use on Metals ("M"), Plastics ("P") or Both ("MP")	M	M	M	M	M	M	P
3	Deoxidizing ability (% of formulation)	20%	0.50%	0%	0%	0.50%	0%	0%
4	Use on Severely Oxidized Surfaces	(A)	Yes	No ^(B)	No ^(B)	No ^(B)	No ^(B)	NA
5	Use on Surfaces with Minor Amounts of Oxidation	(C)	No ^(C)	Yes	Yes	Yes	Yes	No
6	Use on Clean/New Surfaces	(D)	No ^(D)	Yes	Yes	Yes	Yes	Yes
7	Improves Conductivity (1-5)		3	4	5	5	5	1
8	Lubricates & Protects (1-5)		3	3	3	4	4	5
9	Reduces Fretting/Dendrite Corrosion (1-5)		3	5	5	5	5	1
10	Penetrates Plating and Seals Base Metals (1-5)		2	4	5	5	5	NA
11	Flammable/Corrosive (100% concentrate)		No	No	No	No	No	No
12	Easy to Remove and Re-apply (1-5)		5	5	5	5	4	4
13	Effectiveness - length of time before re-application (1-5)	(E)	3	4	4	4	5	3
14	Shelf Life - storage (years)		(3-5)	(3-5)	(5-8)	(3-5)	(3-5)	(3-5)
15	RoHs and VOC Compliant		Yes	Yes	Yes	Yes	Yes	Yes
B COMPATIBILITY: (1-Poor, 5-Excellent)								
16	Plastics Compatibility (1-5)		4.5	4.5	4.5	4.5	4.5	5
17	Effective of Moving/Vibration Surfaces (1-5)		5	5	5	5	5	5
18	Effective on Gold Surfaces (1-5)		4	5	5	5	3	NA
19	Effective on LOW (μ A) amperage/voltages (1-5)		4	5	5	5	4	2
20	Effective on HIGH (>10 amps) amperage/voltages (1-5)	(F)	4	3	3	3	4	2
21	Effective in Severe Environments (humidity, pollution, etc.)		2	2	2	2	4	1
C SPECIFICATIONS/TECHNICAL:								
22	Temperature Range (°C) - Minimum	(G)	-34	-34	-45	-45	-34	-34
23	Temperature Range (°C) - Maximum	(G)	+200	+240	+275	+310	+240	+210
24	Specific Gravity (H ₂ O=1)		.884	.845	.845	.845	.845	.91
25	Pour Point (°C) ^(H) (ASTM D97)	(H)	<-27	<-45	<-45	<-45	<-29	<-45
26	Flash Point (°C) ^(I)	(I)	198	193	202	225	195	190
27	Vapor Pressure (mmHg @ 20°C / 68°F) (100% concentrate)		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
28	% Volatile by Weight (100% concentrate)		0	0	0	0	0	0
29	Evaporation Rate (n-BuAc=1)		Approx. 0	Approx. 0				
30	Solubility in Water (25°C/77°F)		<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
31	Viscosity (cSt @ 40°C)		30.9	38.6	36.5	37.1	37.5	43.9
32	Total Acid Number (mg KOH/g)		51.50	1.71	0.86	0.42	0.26	3.89
33	Electrical Conductivity (Siemens/m)		4.00E-10	5.98E-11	2.82E-09	4.26E-08	2.43E-08	1.27E-08
34	Dielectric Constant (ε _r)	(J)	2.314	2.314	2.301	2.301	2.301	2.376
35	Dielectric Strength (Volts/Mil) (ASTM D877-13. Procedure	(J)	341	333	287	265	260	251
36	Insulation Resistance (Ohms)		1.25E+10	8.40E+10	1.78E+09	1.95E+09	1.83E+09	3.96E+08



Audio/Video



Computers



Automotive



Communications



Marine



Electrical



Energy



Photography



Security



Medical



Avionics

NOTES/ASTERISKS:

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(A) "Severely oxidized surfaces": Oxidation/corision you can visually see on the metal surfaces. If it appears clean, there maybe be oxidation on surface; however it is not severe.

(B) These items should not be applied to severely oxidized surface. First clean with DeoxIT® D-Series or other cleaning method to remove oxidation/corision.

(C) "Minor amounts of oxidation": Surfaces that do not appear to have oxidation (If NOT Clean/New(D)). DeoxIT® Gold and Greases will remove minor amounts. DeoxIT® D-Series can be used.

(D) "Clean/New" Surface: Our definition of a perfectly clean surface, is one that has just been manufactured and cleaned with DeoxIT® D-Series or other cleaning method.

(E) "Effectiveness": The length of time between applications is determined by severity of specs and environment. For example; in a clean room one application could last decades, or if on a naval ship inside an engine room, may require once a year. General recommendation is 1-3 years.

(F) "High Amperage/Voltages connections": DeoxIT® liquids will do a good job treating for short/medium time frames. For additional protection, use DeoxIT® Greases.

(G) "Temperature limits": Conservative values and may vary depending on environment conditions (pollution, humidity, amperage/voltages). Recommend testing if near extremes.

(H) "Pour Points" are conservative. They are also determined by many factors; humidity, energized, moving contacts, etc.). Recommend testing if application is critical and close to limits.

(I) "Flash points" are conservative. Coating will leave a permanent protective layer.

(J) All values are relative to an ambient temperature of 21.90C, using 60 Hz. Dielectric strength value is a statistical average taken from 10 measurements. Voltage measurement taken with 0.5% accuracy.

Refer to CAIG website (www.caig.com) or CAIG associate (800-224-4123) for additional and detailed directions for the above Notes.

DeoxIT Selection Guide

DeoxIT® D-Series, DeoxIT® Gold, DeoxIT® Shield and DeoxIT® Fader

INSTRUCTIONS: Select answers to the questions below. Product recommendations will display.

Info Button gives you product detail information.

Add-to-Cart Button. Select and it will add an item to the Cart. Cart will then open a new Browser window. To add another product to Cart, go back to Selection Guide browser.

NOTE: Prices on these pages are CAIG's List prices. Distributors will offer better pricing. Please visit our [Distributor Page](#) for purchasing products locally or online.

Select Conductive Material: Remote Direct oxidation

Select Severity of Oxidation/Corision: Difficult Easy

Is surface easy to access for applying DeoxIT®? Difficult Easy

Any sensitive materials or components near surface? Yes No

Flammability on surface? Yes No

Non-Selected = Will display all results

Yes = Means that area may have sensitive materials (components or materials) and will require no solvent or fast evaporating solvent. Always check for compatibility.

No = Means that area does not have sensitive materials. Always check for compatibility.

Found 5 products.

DN55-2N	DN55-6N	DN55-6N-LMH	D1005-2	D100L-25C
Mini-Spray. DeoxIT® D-Series. 5% solution. 40 g. non-flammable.	Spray DeoxIT® D-Series. 3% solution. 103 g. non-flammable. (MSN 6802-01-510-1540)	Spray DeoxIT® D-Series. 3% solution. 103 g. non-flammable. (MSN 6802-01-510-6542)	Spray DeoxIT® D-Series. 100% solution. 57 g. non-flammable. no solvents. (MSN 6802-01-429-6478)	Precision Needle Dispenser. DeoxIT® D-Series. 100% solution. 23 ml. non-flammable. No solvents. Needle application. 1mm diameter. (MSN 6803-01-412-5889)
\$14.00	\$22.00	\$34.00	\$22.00	\$24.00

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NEW SELECTION GUIDE!

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WHICH Product and WHICH Applicator?

Go To CAIG's Website:
<https://caig.com/help-learn/>

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Home of the DeoxIT® family of
**Environmentally-Safer Contact Cleaners and
 Connector Enhancing Treatments
 Made in USA**