



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)

DeoxIT® Fader F-Series (F100L)

A GENERAL INFORMATION: (1-Poor, 5-Excellent)		Notes						
		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)	NA				
5	Use on Surfaces with Minor Amounts of Oxidation (C)	No ^(C)	Yes	Yes	Yes	Yes	No	NA
6	Use on Clean/New Surfaces (D)	No ^(D)	Yes	Yes	Yes	Yes	Yes	Yes
7	Improves Conductivity (1-5)	3	4	5	5	5	1	2
8	Lubricates & Protects (1-5)	3	3	3	4	4	5	2
9	Reduces Fretting/Dendrite Corrosion (1-5)	3	5	5	5	5	2	1
10	Penetrates Plating and Seals Base Metals (1-5)	2	4	5	5	5	2	NA
11	Flammable/Corrosive (100% concentrate)	No	No	No	No	No	No	No
12	Easy to Remove and Re-apply (1-5)	5	5	5	5	5	4	4
13	Effectiveness - length of time before re-application (1-5) (E)	3	4	4	4	4	5	3
14	Shelf Life - storage (years)	(3-5)	(3-5)	(5-8)	(3-5)	(3-5)	(3-5)	(3-5)
15	RoHs and VOC Compliant	Yes	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	4.5	5
17	Effective of Moving/Vibration Surfaces (1-5)	5	5	5	5	5	5	5
18	Effective on Gold Surfaces (1-5)	4	5	5	5	5	3	NA
19	Effective on LOW (µA) amperage/voltages (1-5)	4	5	5	5	5	4	2
20	Effective on HIGH (>10 amps) amperage/voltages (1-5) (F)	4	3	3	3	3	4	2
21	Effective in Severe Environments (humidity, pollution, etc.)	2	2	2	2	2	4	1
C SPECIFICATIONS/TECHNICAL:								
22	Temperature Range (°C) - Minimum (G)	-34	-34	-45	-45	-34	-34	-26
23	Temperature Range (°C) - Maximum (G)	+200	+200	+240	+300	+300	+210	+180
24	Specific Gravity (H ₂ O=1)	.884	.845	.845	.845	.845	.91	.93
25	Pour Point (°C) (H) (ASTM D97)	<-27	<-45	<-45	<-45	<-29	<-45	<-39
26	Flash Point (°C) (I)	198	193	202	225	195	190	192
27	Vapor Pressure (mmHg @ 20°C / 68°F) (100% concentrate)	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
28	% Volatile by Weight (100% concentrate)	0	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%	< 0.1%
31	Viscosity (cSt @ 40°C)	30.9	38.6	36.5	37.1	37.5	43.9	39.1
32	Total Acid Number (mg KOH/g)	51.50	1.71	0.86	0.42	0.26	3.89	2.58
33	Electrical Conductivity (Siemens/m)	4.00E-10	5.98E-11	2.82E-09	4.26E-08	2.43E-08	1.27E-08	1.09E-09
34	Dielectric Constant (E _r) (J)	2.314	2.314	2.301	2.301	2.301	2.376	NA
35	Dielectric Strength (Volts/Mil) (ASTM D877-13. Procedure (J))	341	333	287	265	260	251	299
36	Insulation Resistance (Ohms) (J)	1.25E+10	8.40E+10	1.78E+09	1.95E+09	1.83E+09	3.96E+08	4.60E+09



Audio/Video



Computers



Automotive



Communications



Marine



Electrical



Energy



Photography



Security



Medical



Avionics

NOTES/ASTERISKS:

37

(A) "Severely oxidized surfaces": Oxidation/corrosion 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/corrosion.

(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 measurings. 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.

CAIG LABORATORIES, INC.

Home About Us Products NEW Info/Data SDS/Safety Help/Learn Support Distributors

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: Ferrous
 Select Severity of Oxidation/Corrosion: Slight oxidation
 Is surface easy to access for applying DeoxIT®?: Difficult
 Any sensitive materials or components near surface?: Yes
 Flammability an issue?: Yes

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 product(s).

Product	Price
DN55-2N	\$14.95
DN55-6N	\$32.95
DN55-6N-1MH	\$34.95
D100S-2	\$23.95
D100L-25C	\$34.95

Manufacturer Disclaimer:
 To the best of our knowledge, the information contained herein is accurate. However, neither CAIG Laboratories, Inc. or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated. Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist. All service performed on internal parts and equipment should be provided by qualified technicians.

Copyright © 2015-2019 - CAIG Laboratories, Inc.

NEW SELECTION GUIDE!

Need assistance in selecting:
WHICH Product and WHICH Applicator?

Go To CAIG's Website:

<https://caig.com/help-learn/>

BULLETIN: SB-D-ISCT-B, Date: 5/2023



CAIG Laboratories, Inc.

12200 Thatcher Court, Poway, CA 92064 U.S.A.

P: 858/486-8388 | E: info@caig.com

WEB: www.caig.com | www.deoxit.com

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