

DeoxIT® Products

Why are they different?

Bulletin includes Product & Spray Selection Guide

EASY AS 1 - 2 - 3

- ▶ **DeoxIT® D-Series, Contact Cleaner & Rejuvenator**
Bring Old Systems Back to Life™
- ▶ **DeoxIT® Gold G-Series, Contact Conditioner & Protector**
Maximize New System Performance™
- ▶ **DeoxIT® Shield S-Series, Contact Protector**
Maintain New System Performance for Severe Environments™

WHY are DeoxIT® Products Different?

1. **First - Clean**
2. **Second - Enhance**
3. **Third - Protect**
4. **Materials Compatibility - the Key**
5. **Ease of Use**
6. **Conclusion - Cleaner Audio, Clearer Video, Reliable Data**

1. FIRST, you must really clean contacts and connectors

WHY: *Would you apply an enhancer or protectant on top of an oxidized/corroded surface? Would you apply gold plating over an oxidized copper based metal?*

Simple contact "cleaners" wash away dirt, dust, and grime, but prove ineffective at removing oxidation and surface sulfides. These tough contaminants actually attach to and become an integral part of the contact metal. This issue causes increased unnecessary service calls for covered warranty repairs that could



Cleaner Audio | Clearer Video Reliable Data | Maximize Performance

have been prevented, translating into literally millions of dollars of lost revenue for service organizations. The only true method of eliminating oxidation and surface sulfides is by chemical action and reaction, and that's what puts CAIG® DeoxIT® D-Series and DeoxIT® Gold G-Series (ProGold) products in a class by themselves.

2. Next, you want enhancement - to improve conductivity

WHY: *Why not improve performance, increase current flow, decrease heat and eliminate intermittents?*

DeoxIT® D-Series and DeoxIT® Gold G-Series (ProGold) are designed to improve the flow of electricity between metal surfaces. These products are initially non-conductive liquids, when subjected to an electrical field, DeoxIT® D-Series and DeoxIT® Gold G-Series (ProGold) promote current flow. No short circuits will occur. In both states, DeoxIT® D-Series, DeoxIT® Gold G-Series (ProGold) and DeoxIT® Shield S-Series (PreservIT) have resistances high enough to prevent short circuits.

3. Finally, you need long-lasting protection - for improved reliability

WHY: *Once you have really cleaned a contact surface and enhanced its electrical properties, would you want to re-expose it to atmospheric contamination (humidity, salt, pollution, etc.)?*

DeoxIT® D-Series, DeoxIT® Gold G-Series (ProGold) and DeoxIT® Shield S-Series (PreservIT) protect metal surfaces in two ways. First



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they mechanically bond, on a molecular level, to seal the metal surface. Second, the thin film moves as the contact is disturbed by vibration or another contact surface. In effect, the product(s) re-coat exposed surfaces. This is especially important on equipment subject to vibration. Greases, silicones, polymers and PPE's cannot reseal exposed surfaces. Once exposed or re-inserted they need to be re-applied.

4. Materials Compatibility:

WHY: *It's the key to the success of DeoxIT® products*

CAIG is committed to insuring product compatibility with new and existing materials and products. To accomplish this, we invest considerable resources and time working with hundreds of companies in many industries to insure that our products perform exactly as promised.

5. Ease of Use: Variety of convenient applicators

WHY: *Convenience, economy and precision.*

Often as a result of requests made by our customers, CAIG develops and packages its formulations in aerosol and non-aerosol applicators. Since many applications require a different means of applying a treatment to contacts and connectors, we also offer nonflammable sprays, mini-sprays, pens, wipes, needle dispensers and our OEM squeeze tubes. CAIG is committed to the continued development of precision and convenient applicators for all of your needs.

6. CONCLUSION:

When you want to do general cleaning and remove dust, dirt and grime, any contact cleaner will do. But when you need to cure contact related problems, and dramatically improve equipment performance, CHOOSE DeoxIT®!

GUARANTEED to Improve Performance of ALL Electrical and Electronic Devices & Equipment!

DOWNLOAD:

NEW CAIG Essentials Guide - DeoxIT® Products and more!
<http://store.caig.com/s.nl/it.l/id.73/f>

DeoxIT® - Product Selection Guide

	DeoxIT® D-Series	DeoxIT® Gold G-Series	DeoxIT® Gold GxL Gx-Series	DeoxIT® Gold Gx2 Gx2-Series	DeoxIT® Shield S-Series	DeoxIT® Fader F-Series
New Surfaces		✓	✓	✓	✓	✓
* In Service / Used	✓					✓
Gold surfaces		✓	✓	✓		
Oxidation / corrosion visible	✓					
Conductive plastics						✓
** Outdoor / Severe environments	✓					✓
Deoxidizing / cleaning properties	20%	0.1%	0.1%	0.0%	0.0%	0.0%
Metal / Plastic surfaces	Yes	Yes	Yes	Yes	Yes	
Plastics compatibility	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Temperature range (°C)	-34/200	-45/240	-45/310	-45/500	-34/210	-26/150
Stationary & moving surfaces	Yes	Yes	Yes	Yes	Yes	Yes
Seals & protects surface metal	Good	Excellent	Excellent	Excellent	Good	No
Seals & protects base metals	Fair	Excellent	Excellent	Excellent	Fair	No

✓ All products are Nonflammable and RoHS Compliant

(Figure 1)

* **In Service:** Clean with DeoxIT® D-Series. For added protection, follow with DeoxIT® Gold (indoors), DeoxIT® Shield (outdoors) or DeoxIT® Grease (additional barrier).

Which Product Do I Use?

(See Chart: "DeoxIT® - Product Selection Guide - Fig. 1)

- ▶ Use the DeoxIT® D-Series contact cleaner on surfaces that have been in service or have visual signs of oxidation. Contains 20% active cleaner.
- ▶ Use the DeoxIT® Gold G-Series conditioner on new surfaces, and gold plated surfaces. Ideal for preventing dendrite/fretting corrosion. Protects both surface and base metals. Contains <1% active cleaner.
- ▶ Use the DeoxIT® SHIELD to protect surfaces from severe environments (humidity, salts, pollutants, sulfur, etc.). Use on clean surface. Contains 0% active cleaner.

Which DeoxIT® Spray do I Use?

(See Chart: "DeoxIT® - Spray Selection Guide - Figure 2)

A) Standard Spray: Provides flushing action

Products:

DeoxIT® D5 D-Series Spray (D5S-6)
 DeoxIT® Gold G-Series G5 Spray (G5S-6)
 DeoxIT® Shield S-Series S5 Spray (S5S-6)

Formulation: 5% DeoxIT® (active ingredient), 75% odorless mineral spirits (carrier solvent), 20% propellant

Formulation contains petroleum naphtha (odorless mineral spirits) solvent, and is briefly flammable (until solvent evaporates within 2-3 minutes). It's slower to evaporate, providing flushing



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DeoxIT® - Spray Selection Guide

Product Series	FP	QD	NF	PC	VOC
Standard - 5% solution D5S-6, D5MS-15, G5S-6, G5MS-15, S5S-6, S5MS-15, F5S-6, F5MS-15	✓			✓	75 (588g/L)
N Series - 5% solution DN5S-6N, DN5MS-15, GN5S-6N, GN5MS-15, SN5S-6N, SN5MS-15		✓	✓	✓	20 (268g/L)
X Series - 5% solution GX5S-6N		✓	✓	✓	20 (268g/L)
100% Spray solution D100S-2, G100S-2, F100S-L2			✓	✓	0

FP = Flushing properties **QD = Quick dry / non drip**
NF = Nonflammable **PC = Plastics compatibility** **VOC = VOC (%)**

(Figure 2)

action to remove surfaces dirt, grease and other contaminants. Is ideal for connectors and components removed from equipment or those that are easily accessible. It is safe on plastics. When in doubt, always test for compatibility, especially vintage equipment with aging ABS plastic(s).

B) Non drip - Quick Dry Spray: Nonflammable, fast evaporating carrier solvent formula

Products:

- DeoxIT® DN5 D-Series Spray (DN5S-6N)
- DeoxIT® DN5 D-Series Mini-Spray (DN5MS-15)
- DeoxIT® Gold G-Series GN5 Spray (GN5S-6N)
- DeoxIT® Gold G-Series GN5 Mini-Spray (GN5MS-15)
- DeoxIT® Gold G-Series GX5 Spray (GX5S-6N)
- DeoxIT® Shield S-Series SN5 Spray (SN5S-6N)
- DeoxIT® Shield S-Series SN5 Mini-Spray (SN5MS-15)

Formulation: 5% DeoxIT® (active ingredient), 75% 1,1,1,3,3-PENTAFLUOROPROPANE (carrier solvent), 1-5% isopropyl alcohol, 20% propellant

May be used where fast evaporation and/or non-flammability is required, and no dripping is preferred. It is also safe on plastics.

C) 100% Spray: No solvents, metered one-shot valve

Products:

- DeoxIT® D100 D-Series Spray (D100S-2)
- DeoxIT® Gold G100 G-Series Spray (G100S-2)

Formulation: 20% DeoxIT® (active ingredient), 80% propellant

Used where maximum lubrication is needed, but solvents are not desired. For example, where cleaning and lubrication is required or over-spray might adversely affect sensitive plastics. DeoxIT® utilizes a metered valve which sprays short bursts of 100% liquid.

• Our Customers are our Best Advocates!

Tight fitting RCA Audio-Video Interconnect Cables

After spending thousands of dollars on a Home Theater setup, which includes a LCOS projection, plasma, LCD, power amps, AV receivers, DVD, DVR, power conditioning and thousands on audio/video cables, I discovered an inconsistency in cable connections and equipment connections.

I used THX cables with their turbine gold RCA connectors. With the many connections on the rear of amps, receivers and other equipment the FIT between connectors wasted more time than I care to mention. Connecting to Component Video inputs on the plasma using the RCA turbine connectors was incredibly tight; so tight they actually flexed the mounting board, and I was concerned that I was going to damage the board. I tried other high-end cables and had the same problems.

On the back of the A/V Receiver, so many connections were required that some of the turbine pins actually broke off due to the stress. Since I have used CAIG products over the years, I contacted them (www.caig.com) to see if they had a product for this challenge.

Their customer service techs are extremely helpful and knowledgeable, and they explained that my situation is a common problem. They advised me to apply DeoxIT® GOLD to the connectors, and that would allow them to fit like a glove (reducing insertion resistance) and also improve the definition and dynamic range of the system - and keep it that way.

I ordered some DeoxIT® GOLD, and not only did the RCA connectors slide on like butter, I could actually hear a difference. I was also getting a bit of noise on the video when watching cable programming, so I applied DeoxIT® to the main input from the cable company, and the picture became crisp and absolutely perfect - I could not believe the difference!

Thanks CAIG for excellent customer support and another great product - and solution. Please post this on your Knowledgebase so others may learn about this tip.

M. Hoffman



Cell Phone Problem Resolved with DeoxIT®

I had been having trouble with my cell phone for the past several months. At first the phone would shut itself off once a day maybe. After several months it seemed to turn itself off several times a day.

It would shut off while I was in the middle of a conversation, or pushing buttons. I took it into to local Nextel store to have the service guy look at it, thinking it was a bad solder joint. They agreed it was, and said they fixed it.

After that, the phone shut off even more often. It seemed that if I just looked at the phone, it would shut off. I even took a pencil eraser in an attempt to clean the battery and phone contacts, and that didn't help.



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A few days later, I received a bottle of DeoxIT®, which I had ordered for my repair shop (I fix musical electronics). I thought I'd give it a shot, so I sprayed a little on the phone and battery, and put the battery back.

After several weeks, it has not turned itself off again! I'VE PRACTICALLY BEATEN THE PHONE TO DEATH TRYING TO GET IT TO TURN OFF, AND IT JUST WON'T DIE. THIS STUFF WORKS GREAT!

Thanks,
Jon Cusack

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Professional Audio Productions Rely on CAIG Products
- Recording Rack for Paul McCartney

I just built a recording rack for Paul McCartney and it had a problem at the time of the first show. I had tested the system before it left the shop, and the two Tascam MX-2424's, a Berhinger DDX-3612, a Rosendahl Time word clock generator and 72 Glyph Hard Drives all worked at the shop. Two hours before the show, I found myself trying to get the system up and going.

One of the Tascam units had stopped working, and I could not understand why! I was in panic. It was a sold out show, and people started getting seated. The unit had a flash memory card in it, and I figured that since it was locking up on start there had to be a problem with the card. It was not loading the data, so I used some DeoxIT® D100L on the contacts, wiped it off, then used the DeoxIT® GOLD (formerly ProGold) solution. I then tried it again, and IT WORKED! The memory was reloaded, and the show was recorded as planned.

I am an avid DeoxIT® customer and always will be. I use it along with the DeoxIT® GOLD and DeoxIT® FaderLube (formerly CaiLube MCL) on controls and switches on outboard gear, as well as audio consoles worth well over \$200,000.

I will always use DeoxIT®, and now our whole company uses it as well. We use it for tours like the Rolling Stones, Paul McCartney, Incubus and Ac/Dc, to name a few. We also use it on the equipment for theater shows like Riverdance and Barney.

DeoxIT® can be trusted around the world, and let me tell you it is!

Thanks CAIG for such a great product. You saved us more then once. The only recommendation I have is that you sell bigger bottles and cans!

D. Ranshaw, Service Manager, db Sound

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DeoxIT® Gold G-Series - CURED OUR INTERMITTENT EQUIPMENT PROBLEMS!

We manufacture, install, and service industrial equipment in the electronics manufacturing industry worldwide. Over the years, the division that had the biggest problem is our warranty repair. Our service technicians would repeatedly go back to the same account to troubleshoot and fix contact and connector related issues. It got so bad on some accounts (in high humidity and high pollutant environments) that we changed all the connectors to gold plated and in some instances, direct soldered the connections.

I then read an ad in an industrial magazine for a product (DeoxIT® and DeoxIT® GOLD) that said it would improve and cure connection problems. Since we tried just about every contact cleaner, enhancer, and vapor corrosion inhibitors, which also said it cured connection problems, I was hesitant to say the least. I am the systems service manager for this division, and this issue is costing the company millions of dollars annually, so I was almost desperate to solve this problem and willing to try anything. So I ordered one of CAIG's industrial survival kits and tried it on a few of the most difficult cases we had.

I AM NOW A CAIG BELIEVER - After eight months we have not had a single service call due to contact and connector issues. We now include a DeoxIT® and DeoxIT® GOLD kit with every system we install and it is a survival tool for all of our service technicians. Looks like sometimes you can believe what you read in an advertisement.

Thanks CAIG for saving our company millions of dollars and making us look like miracle workers with our customers.

Mike Klein, System Service Manager

1000+ Uses

Home/Office/Shop/Industry

HOME:

- Light Bulbs (brighter/less energy)
- Batteries and Re-chargers
- Emergency Lights
- Audio/Video connections

- Computer/Automation Cable & Telephone connections
- Switches, Plugs & Sockets
- Pool Equipment connections
- Low Voltage Lighting connections
- Rechargeable Devices: Cordless phones, cell phones, PDAs, cameras, vacuums, etc.

OFFICE:

- Computer connections: External and Internal
- Communication connections: Cable, telephone, faxes, modems
- Office Equipment connections
- Automation Equipment

SHOP:

- Power Tool connections
- Rechargeable Devices: Drills, lights, screwdrivers, etc.
- All Electronic connections

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