



FREQUENTLY ASKED QUESTIONS

Q: What makes this technology so revolutionary?

A: One of the primary root causes for splicing failures is poor cleaning of aluminum strands prior to compression. ConductaClean enables line crews to properly prepare conductors quickly, efficiently and affordably.

Q: What types of conductors can be cleaned with ConductaClean?

A: ACSR, ACAR, AAC, AAAC, ACSS, ACCC and ACCR

Q: Can ConductaClean be used on energized (hot) conductors?

A: No.

Q: How long does it take for ConductaClean to work?

A: One minute for relatively clean/new conductor, three minutes for moderately contaminated conductor, and six minutes for highly contaminated conductor. *(Note: While it is very uncommon, it has been observed that longer cleaning times may be required for unusual conductor conditions.)* For example, in two situations since the technology was introduced, conductors that appeared to have a baked-on surface coating of contamination with high carbon content required 12 to 15 minutes of cleaning. *(These conductors were known to have been operated at high temperatures for an extended time in an environment with a relatively high concentration of carbon in the local atmosphere.)* It was found that wiping the surface with a "Scotch-Brite" pad after the first three minutes of cleaning accelerated the cleaning (thereby reducing the total cleaning time required) by apparently helping break through the baked-on carbon layer.)

Q: Is the ConductaClean unit water resistant?

A: All operating switches and compartment plates are factory sealed.

Q: Where can ConductaClean be used?

A: On the ground or suspended from a bucket.

Q: Does ConductaClean work in freezing temperatures?

A: Although cleaning time is reduced with very cold temperatures, ConductaClean has been used in freezing conditions, as long as the mixed solution does not sit for an extended period.

Q: How many cleaning cycles will the tool battery support?

A: This obviously depends upon cycle lengths and frequencies of use. Under typical splicing conditions and procedures, two fully charged 18V batteries will last long enough to support splicing preparations for one line crew in an eight-hour shift.

Q: How many cleanings can you get from one package of mix?

A: Depending upon conductor condition, typically 5-12 cleanings

Q: Is the ConductaClean solution hazardous?

A: No. ConductaClean is non-hazardous and non-corrosive. In fact, the solution exhibits a lower PH balance than most household cleaners. In comparison, the risks associated with using the ConductaClean solution are minimal compared to chemicals that linemen routinely use (i.e. pentachlorophenol, CCA, creosote, pesticides, electrical joint compound, hydraulic fluid, gasoline, etc.)

Q: What PPE (Personal Protective Equipment) is required to use ConductaClean?

A: Tool operators should wear safety glasses and gloves to protect eyes and hands from direct exposure to solution. Keep hands and face safely away from the opening of the tube where solution could splash or spill. Common sense applies.

Q: How should spent solution be disposed?

A: ConductaClean meets EPA requirements for disposal in any sanitary drain system. As the cleaning process continues, the PH level of ConductaClean actually reduces to a benign level. However, line personnel should always refer to their company's operating protocol prior to disposal. (Note: There are no known regulations that prevent spent solution from being poured on the ground but in order to be consistent with most utility's "green" policies, it is recommended that the solution be disposed in a sanitary drain when possible.)

Q: Does ConductaClean solution come pre-mixed?

A: Not at this time. The shipping obstacles for pre-mixed solution are simply time and cost prohibitive.

Q: Is there any evidence to support that using ConductaClean is effective?

A: Yes. Heat-cycle testing of compression connectors by the Electric Power Research Institute (EPRI) shows that connectors installed using ConductaClean consistently outperform connectors installed using wire brushing as evidenced by lower operating temperatures and longer life.

Q: What is the shelf life of the cleaning mix?

A: In the dry state, the powder when sealed and stored in a cool/dry environment has no degradation for well over a year. In the wet (mixed) state, the unused solution will remain active for at least a month. If the wet solution has been used, contaminants remaining from the cleaned conductor may affect the mixture.

Q: What kind of warranty comes with the ConductaClean tool?

A: EDM provides a standard one year warranty on parts and labor for required repairs under normal use.