



General

DRY VOLT electronics prevents contact with water in all its forms at the molecular level and protects up to 3 years from exposure to moisture and oxidation, restoring the conductivity of circuits in the event of failure.

Application: in electronic boards of all types, circuits of electric Vehicles, Sonars, GPS and Radars cable contacts of Marine Vessels, Electric fishing reels, Drones circuits, Battery contacts, Sockets, Lamps, Industrial electric Panels, Vehicle Charging Stations, Power tools, Flashlights, etc.

DRY VOLT electronics is recommended for the protection of electronic components and devices operating in a humid environment.

Restores and increases the electrical conductivity of metals and has excellent surface adhesion even in the event of a significant change in temperature.

The product was developed specifically for sensitive electronic circuits. DRY VOLT electronics has a long-term action and excellent cleaning effect, good compatibility with various materials such as copper, polyvinyl chloride, solders, electrical and electronic components.

Properties

- Creates a waterproof and water-repellent coating.
- Can be applied on wet surfaces.
- Protects against static electricity, dust and dirt.
- Fills tiny cavities in the applied surface.
- Provides electrical conductivity to water.
- Provides dielectric strength of conductors.
- Creates an insulating coating.
- It is not water - soluble and does not emulsify.
- Always retains its elasticity, making it ideal for flexible surfaces.
- It is not affected by other chemicals and can be easily removed only with alcohol.
- Protects against electric shock from leakage of current into the water.
- Maintains the high elasticity of the applied surfaces.
- Does not cause harmful effects and does not damage metals,

plastics, rubber, glass, varnishes, paints, ceramics and electrical machines.

Functions

- Protects electronic devices from moisture, oxidation, seawater, etc.
- Increases the life of electronic devices and equipment.
- Restores, safely and improves the insulation of electronic devices in a humid environment.
- Restores their function and electrical conductivity electronic components and devices affected by moisture (oxidation and corrosion).
- Prevents short circuits and contact freezing.
- Protects and maintains existing insulation.
- Improves the dielectric conductivity of electrical connections.
- Protects against power leakage.
- Protects against oxidation, mold and mildew on electrical contacts.
- Eliminates soot, carbon deposition and dirt.
- Facilitates the start-up of electrical equipment.
- Cleans and protects the contacts of the electrical equipment from dust and dirt.

DRY VOLT electronics tests

Test 1

Test A

Printed circuits were immersed in water.

The plates were then hung for 2 minutes to drain the water.

The following examination showed that 80% of the printed circuits lost their ability to operate. After that, we applied DRY VOLT electronics.

Result: 60% of the printed circuits regained the ability to operate normally.

Test B

New printed circuit boards were applied with DRY VOLT electronics before soaking in water. After soaking they were hung for 2 minutes to drain the water then examined.

Result: The boards maintained their functional capacity 100%

Test 2

DRY VOLT electronics waterproofing was applied to five of the ten printed circuit boards.

The plates were sprayed with salt water for 2 hours twice a day and then dried for 10 hours.

At 2 weeks, the boards were tested for functionality.

Result: The boards that did not apply DRY VOLT electronics were all out of order.

The Boards with applied DRY VOLT electronics retained their functional capacity in full.

Use

Apply a few drops of DRY VOLT electronics to the metal parts or contacts, apply the product on the surface with a small brush for better application, in case of overdose wipe with a cloth.

Contacts, printed circuit boards, cables, connectors, switches and metal parts of electrical and electronic devices, once applied with DRY VOLT electronics will have to wait 5 minutes for them to take effect.

In some cases devices or tools will need to be opened in order to have a direct application on the circuit.

Caution: You must disconnect all electrical and electronic devices before application.

The protective shield of DRY VOLT electronics against moisture is so strong that it allows even for electrical conductivity under water.

This means that electrical appliances and installations continue to operate in extreme cases when they are completely submerged or in the event of flooding.

Important Tips & Information

Once a surface is sprayed with DRY VOLT electronics the results last from 1 to 3 years, depending on the mechanical stress exerted.

DRY VOLT electronics is NOT a product that makes your equipment permanently waterproof, it is a product that makes your equipment water resistant in case of exposure to water.

The main utility of DRY VOLT electronics is the protection of electrical and electronic devices from moisture and water, in case they are exposed, not to permanently seal the devices and to operate continuously under voltage underwater.

DRY VOLT electronics is a product that protects your property and health in the event of a leak or accidental exposure to water.

DRY VOLT electronics does not replace the standard factory insulation (IP) of electrical and electronic equipment.

DRY VOLT electronics in some cases restores the functions of electrical contacts, electrical and electronic devices that have been exposed to water, moisture, oxidation, corrosion.

Benefits

- Reduces maintenance costs.
- Facilitates maintenance staff.
- Increases the life of the equipment.
- Improves the performance quality of the equipment.

Ingredient

It is made of refined mineral oil of high purity, anti-corrosion additives, antioxidants.
The product does not contain: rubber, silicone, acrylic,teflon,benzene.

Shelf life: never if the container remains closed after use.

Store in a cool place.

The protection properties of electronic circuits remain from -30 °C to +130 °C.

Dielectric Strength: 10.000V