

VCI-238 Aerosol/Liquid

PRODUCT DESCRIPTION

Designed for use in a sheltered environment, VCI-238's continuous vapor action saves money by extending product life and eliminating down-time due to corrosion. VCI-238 forms a very thin film proven effective against aggressive environments, including industrial, marine and tropical climates. This film does not alter the electrical resistance or magnetic properties of metal substrates. VCI-238 can be safely applied for protection of low-voltage circuits or relays without causing any changes in conductivity. It can be safely used with plastics, elastomers and other non-metals. In addition to corrosion protection, VCI-238 is an excellent contact cleaner of oils, grime, and other contaminants.

VCI-238 is an effective inhibitor of galvanic corrosion for most metals and alloys normally found in electronics applications, such as aluminum, copper, ferrous and non-ferrous metals. VCI-238 is non-conductive and free of CFCs and 1,1,1 Trichloroethane. Application provides instant corrosion protection. In cases where severe corrosion may occur, VCI-238 can be used along with VCI-100 series foam devices for extra continuous protection.

FEATURES

- Instant corrosion protection.
- CFC and 1,1,1 Trichloroethane-free.
- Vapor phase protection in vented or unvented enclosures.
- May be used as a cleaning agent.
- Moisture-displacing and penetrating film characteristics.

TYPICAL APPLICATIONS

- Printed circuit boards.
- Electrical contacts and components.
- Electrical motors.
- Long-term protection.
- Minimized field service.
- Protects copper bearings, ferrous and non-ferrous metals, aluminum, etc.
- Increased corrosion protection at a lower cost than conventional rust preventatives.
- Can be used in contact with engineering plastics, elastomers and other non-metals.
- Generators, junction boxes.
- Spray for use after final assembly or in the field.

APPLICATION

For aerosol use: Spray a very light mist over the area needing protection.

NOTE: Application of a heavy mist will result in a heavy film that sags and remains wet. More is not necessarily better and could cause fouling or other complications of electrical connections.

For dipping use: Dip part to be cleaned and/or protected into a bath of VCI-238. Remove excess by drip, wipe or other conventional method. Forced air is not recommended due to possible condensate and/or compressor oil contamination.

The amount of VCI-238 necessary to maintain a sufficient concentration of vapors will depend on factors such as the efficiency of sealing enclosures (air circulation), volume of the enclosure, atmospheric conditions, and the density/porousness of the walls.

Application is effective for 6+ months with proper controls.



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Environmentally Safe VCI/MCI® Technologies



INDEPENDENT TESTING

VCI-238 has been tested by a world-renowned laboratory under accelerated conditions per the Batelle Flowing Mixed Gas Test in a Class III environment. The results showed excellent protection for multimetals equivalent to a 7-year protection interval in an indoor electronics environment.

PACKAGING AND STORAGE

VCI-238 is available in a 12 ounce (340 gram) aerosol spray, 6 cans per carton, and a liquid. VCI-238 should be kept from high temperatures and in normal warehouse conditions. It has a shelf-life of 3+ years in sealed packages.

Resistance Change of Applied Film	
Time (Minutes)	Resistance (ohms)
Initial	Over 20 megohms
Immediate	7.83 megohms
1 minute	8.71 megohms
2 minute	10.96 megohms
3 minutes	12.36 megohms
4 minutes	14.40 megohms
120 minutes	Over 20 megohms

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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Internet <http://www.corrosionvci.com>

printed on recycled paper 10% post consumer

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