

## CORROLESS CCI DEVICES

### CORROSION INHIBITORS

#### DESCRIPTION

Corroless CCI Devices (V1, V12, and V100) contain Corroless CCI Powder, a vapour phase corrosion inhibitor (VCI). They provide a convenient and effective means of protecting against corrosion in electrical equipment and enclosed areas. The units have self-adhesive backing for secure placement.

#### PRODUCT FEATURES AND RECOMMENDED USES

- Can be used on all types of electrical and electronic equipment.
- Does not affect electrical resistance or conductivity.
- Effective against dissimilar metal corrosion.
- Does not adversely affect rubbers, polymers, paints or plastics.
- Applications include navigation equipment, electrical junction boxes, switchgear, fire and safety warning systems, computer equipment etc.

#### TECHNICAL DATA

##### Active Protection Period

Up to 2 years depending on environmental conditions.

##### Appearance

**CCI V1 (pad)** is a small hexagonal sponge pad, impregnated with CCI powder and backed with self-adhesive tape for secure placement.

**CCI V12 (pot)** is a small plastic unit with a breathable membrane lid, which allows the CCI powder inside the device to vapourise. This breathable membrane lid should NOT be removed. The unit is backed with self-adhesive tape for secure placement.

**CCI V100 (tape)** is a roll of foam tape impregnated with CCI Powder and backed with self-adhesive tape for secure placement. The tape can be cut to length depending on the protection volume required and is an economic alternative to CCI V1 and V12 devices.

##### Packaging

**CCI V1's** are sold in packs of 50 units. Each pad is individually packed in a sealed bag, with an adhesive advice label included, for attachment to the equipment being preserved. The label should be marked with the date the device was installed.

**CCI V12's** are sold in packs of 12 units. Each unit is individually packed in a sealed bag, including an adhesive advice label, as for V1 devices.

**CCI V100's** are sold as single units, and are individually packed in sealed bags, containing adhesive advice labels as above.

##### Storage

Product has a shelf life of 2 years when stored in dry, cool conditions and protect from frost.

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### APPLICATION DETAILS

**Recommended substrate** CCI Devices can be used to protect steel and other metals. CCI Devices are active against dissimilar metal corrosion.

**Surface Preparation** No surface preparation required. For best results remove any carbon or oxide deposits, moisture or condensation prior to installation. Ensure the surface onto which the device is fitted is clean and free from dirt, grease, oil or other contamination, so that the self-adhesive strip on the base of the device can adhere firmly to the substrate.

**Application** One **CCI V1** protects 1 cubic foot of air space (0.028 m<sup>3</sup>).  
One **CCI V12** protects 12 cubic feet of air space (0.340 m<sup>3</sup>).  
**CCI V100** protects 1 cubic foot of air space for each 2" (5.1 cm) of tape used.

For severe applications increase dosage by 50%.

Ensure devices are kept in sealed bags and stored in a dry place until ready for use. To apply, remove backing paper from self-adhesive and place centrally and upper most in the enclosed area (VCI vapour is heavier than air). For V12 devices, do NOT remove breathable membrane top. Mark the provided adhesive advice label with the date of installation and replacement date, and fix securely within the area treated. Vents, doors and other openings should be sealed immediately after fitting the CCI device.

Do not open CCI protected enclosures more than is absolutely necessary – devices work by vapour action and opening of enclosures will deplete vapour concentration. If enclosure is left open for more than 12 hours, replacement of the device is advised.

The effectiveness of devices of this type will be reduced in enclosures subject to frequent and/or heavy dampness/condensation. Such conditions constitute a severely corrosive environment and these conditions should be first addressed at root cause. Under normal, typical enclosure conditions, Corroless CCI devices have been shown to be highly effective in minimising or eliminating corrosion.

**Application temperature** 0-35°C. (Surfaces should be dry and free from ice).

**Flash Point** Greater than 55°C.

**Health and Safety** At all times observe precautionary notices on containers. Refer to Material Safety Data Sheet available from Corroless on request.