

VCI/VpCI[®] Vapor Detection Test Kit[™], Patent Pending



Test Kit Contents



Test Start: with VpCI[®] Emitter



Figure 1

After 10 Minutes

SIGNIFICANCE

VCI/VpCIs are compounds which protect against corrosion through the vapor-phase. These active compounds are soluble in water which allows them to be absorbed from the surrounding atmosphere onto the test strip. This VCI/VpCI[®] Vapor Detection Test Kit is specifically developed for detecting the presence of vapor-phase corrosion inhibitors (VCI/VpCI[®]) emitted from various corrosion inhibiting products: paper, foam, powders, oil- and water- based rust preventative, etc..

The kit contains enough strips and solution for 50 testings. The shelf life of the solution is 2 years.

Notes: This kit is not appropriate for testing VCI/VpCI[®] films because of significant pre-conditioning time requirement. This test may also be used on MCI[®]-309

MATERIALS INCLUDED

- VCI/VpCI[®] Test Strips
- VCI/VpCI[®] Test Solution
- Scotch tape

PROCEDURE

Dip VCI/VpCI[®] Test Strip into the VCI/VpCI[®] Test Solution, leaving about 1 centimeter of the strip dry. Using Scotch tape, attach the top of the strip to the inside of the enclosure or space that is treated with VCI/VpCI[®]. Close the system and allow time for the test strip to change from blue to pink/red. Approximate time frames for test completion under room temperature are listed in Table 1. The time for color change will depend on the temperature, product dosage, and product(s) tested.

Table 1.

Approximate test times for completion at room temperature, in minutes

Material	VpCI® Emitter	VpCI®-337	VpCI® Powders and MCI®-309	M-531	VpCI® Paper
Time to initial color change	2	<10 sec.	2.5	<10 sec.	60
Time to complete change	9	1.5	11	0.5	180

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KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE
INFORMATION**

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