

VCI Film Test	Standard Operating Procedure	VIA Test	Sep 14 2013
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1. Principle of VIA Test

The vapour inhibiting ability test is conducted to see the corrosion inhibitive efficiency of the sample as received and of the exhausted sample.

2. Why we do VIA Test

a To ensure the ability of VCI material to release vapours to inhibit corrosion

3. The test method and preparation

This test can be used for basic pass/fail qualification tests by production, quality assurance, user, or corrosion specialist laboratories to determine the VIA of VCI materials to protect ferrous metal surfaces from corrosion (rusting), including the component of ferrous metal protection afforded by multimetal VCI material.

Wrap the VCI sheet of size 15" x 3" thoroughly two times around the test piece. Place the datalogger on the platform. Wash the steel specimen using laboratory grade detergent like distilled water and methanol and leave to dry and mount the specimen in the rubber stopper.

Maintain the temperature of hot plate until spirits generate bubble and then remove plate . Turn off hot plate after 60 seconds.

Prepare solution in the test flask of glycerin in distilled water 26:100 respectively with only 10ml or less to be used for each jar

Draw observations after every 6 hours and discontinue test after 24 hours.

4. Test Standard

NACE TM 0208-2008

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