



Tests performed

The VCI film “**VCI 2000**” was tested in accordance with:

MIL-PRF-22019E

„PERFORMANCE SPECIFICATION;
BARRIER MATERIALS, TRANSPARENT, FLEXIBLE, SEALABLE, VOLATILE
CORROSION INHIBITOR TREATED“

Edition: 23 June 2006

- Compatibility with copper
(Test method according to MIL-PRF-22019E. 4.6.4)
- Contact corrosivity
(Test method 3005 according to MIL-STD-3010A; test surfaces: steel and aluminium)
- Blocking resistance
(Test method 3003 according to MIL-STD-3010A)
- Vapor inhibitor ability (VIA)
(Test method 4031 according to MIL-STD-3010A)

Director of the Institute



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Test results according to MIL-PRF-22019E

VCI2000 film "VCI 2000"

Characteristics	Requirements	Test Results
Compatibility with copper	No pitting, etching, dark tarnish (classification 3), or corrosion (classification 4) of vapor exposed surface. Discount attacks within 1/16 inch of specimen.	As required
Vapor inhibitor ability (VIA)	No more than a total of 3 corrosion spots on 3 plugs. No corrosion spot greater than 300 microns in diameter.	As required (see below)
Contact corrosivity	No corrosion, etching, or pitting	As required
Blocking resistance	No blocking, delamination, or rupture	As required

Vapor inhibitor ability (VIA)

	Steel plugs		
	Control plug (without VCI)	Protected plugs with VCI film „VCI 2000“	
Evaluation			
Corrosion spots	Corrosion spots on the entire surface	2 spots	1 spot 0 spot

