

VpCI - Emitter Testing

The Specialty Lab Inc.

SPL No. 21-3042

November 8, 2001

Cortec Corporation

Attn.: Brian Wuertz

4119 White Bear Parkway

St. Paul, MN 55110

Email: brian_wuertz@cortecvci.com

Phone #: (651) 429-1100 Ext. 191 Fax #: (651) 429-1122

PURPOSE:

Cortec's product is a unit that is placed into enclosures and cabinets. This unit emits a chemical inhibitor that everything with a few molecules of chemical. This is just due to the proximity of the inhibitor unit.

Cortec's customer needs to know whether this inhibitor can affect the exposed ends of fiber optic cables with time (as far as attenuation).

TEST SAMPLES & ENVIRONMENT:

Cortec has three (3) VCI products. There will be 3 test bags. Three (3) cables of A112-62 (orange-multi mod cables of A112-SM (yellow-single mode) will be placed in each of the closed bags with the inhibitor unit. Cables to be exposed. Also, one (1) of each of the two (2) types will be sitting inside a bag without the inhibitor to be control. Note: Only two (2) A112-62 (orange) cables subjected to VCI-130.

Mr. Wuertz,

Attached are the test results after 6 months of exposure to the three (3) VCI formulations.

Results show no indication of attenuation change other than normal variability.

If you have any questions please feel free to call me at 651-482-2778.

Thanks,

David A. Theis

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Test Engineer

The Specialty Lab Inc.

Phone (651) 482-2778

FAX (651) 482-2780

www.thespecialtylab.com

Test 21-3042 Details

THE SPECIALTY LAB, INC.						S/N's 240-249 = A112-62-LC/LC-01(Orange)			
21-3042			DATE			S/N's 1202-1221 = A112-SM-LC/SMA-01(Yellow)			
Cortec			TESTED BY		DAT				
Fiber Optic Cables, VCI			EQUIPMENT		Fotec Source and Meter				
5/3/2001	5/18/2001	6/8/2001	11/8/2001		5/3/2001	5/18/2001	6/8/2001	11/8/2001	
Initial	168 Hrs	1 Month	6 Months	12 months	Initial	168 Hrs	1 Month	6 Mo	
665nm	665nm	665nm	665nm	665nm	850nm	850nm	850nm	850	
-31.0	-31.0	-31.0	-31.0	-31.0	-15.0	-15.0	-15.0	-15	
-32.1	-31.8	-31.9	-31.7		-16.2	-16.0	-16.2	-16	
-31.6	-31.5	-31.3	-31.6		-15.9	-15.5	-15.6	-15	
-32.1	-31.7	-32.1	-31.8		-16.0	-16.1	-16.1	-16	
-31.9	-31.7	-32.0	-32.0		-15.8	-15.7	-16.0	-16	

-31.9	-31.9	-31.9	-31.8		-15.8	-16.1	-16.0	-16.0
-32.0	-31.9	-31.7	-31.8		-16.0	-16.0	-15.6	-15.6
-32.1	-32.0	-32.1	-32.0		-16.3	-16.2	-16.0	-16.0
-32.1	-32.2	-32.0	-32.3		-16.6	-16.6	-16.2	-16.2
-31.8	-31.9	-31.7	-32.0		-15.8	-15.7	-15.9	-15.9
-50.0	-50.0	-50.0	-50.0	-50.0	-40.0	-40.0	-40.0	-40.0
-51.6	-51.6	-51.2	-52.0		-41.8	-41.6	-42.0	-42.0
-50.4	-50.4	-50.4	-51.0		-40.6	-40.6	-40.5	-40.5
-50.7	-50.8	-50.8	-51.0		-40.8	-41.0	-41.3	-41.3
-50.9	-51.3	-50.9	-51.4		-41.5	-41.2	-41.2	-41.2
-50.9	-50.9	-50.9	-51.2		-40.9	-40.7	-40.7	-40.7
-50.6	-50.9	-50.6	-50.9		-40.7	-40.8	-40.8	-40.8
-50.8	-51.2	-50.9	-51.0		-41.6	-41.5	-41.6	-41.6
-50.7	-50.8	-50.5	-51.0		-40.9	-40.9	-40.6	-40.6
-50.5	-50.3	-50.3	-50.7		-40.6	-40.5	-40.3	-40.3
-50.9	-50.9	-50.8	-51.1		-41.0	-41.0	-41.1	-41.1

*Last Updated on 11/18/2001
By Cortec Marketing*