

Icing Test

Prepared for: CONVERTEC LIMITED WHITEMILL INDUSTRIAL ESTATE WEXFORD, IRELAND ATTN: Dr. Werner Wölflé	Test Dates
	Start: 4/25/2008
	Completion: 4/25/2008
	Environ Test Number: 37610-6
	Purchase Order Number: POR001240
	Purchase Date: 4/7/2008

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Environ Laboratories LLC certifies that one Electronics Enclosure was subjected to an External Icing Test in accordance with *NEMA Specification 250-2003*, Paragraph 5.6, and *UL 50*, Section 34, as requested in Converttec Limited purchase order POR001240, dated April 4, 2008.

Manufacturer	CONVERTEC LIMITED
Device	One (1) Electronics Enclosure
Model/Part Number	TEX 120-124 120W
Serial Number	Sample #1

The results of this test apply only to the units identified in this Engineering Report by device identifier and model / part number, or serial number.

With the chamber and contents stabilized at 35°F, water chilled to 32°F to 37°F was applied to the test unit at a 45 degree angle and a rate of 1 to 2 gal/hour/ft². Chamber temperature was lowered to 21°F while continuing the water spray till there was ¾ inch ice buildup on the test bar. The water spray was discontinued while the chamber temperature was maintained at 21°F for an additional three hours. The chamber and test unit were returned to ambient. An inspection of the test unit was performed after the ice had melted. The test unit incurred no physical damage.



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Instrumentation

All instrumentation is calibrated regularly by instruments directly traceable to the National Institute of Standards and Technology, and in accordance with *MIL-I-45208A*, *ANSI/NCSL Z540.3-2006*, and *ISO/IEC 17025: 2005*.

Equipment Number	Description	Manufacturer	Model Number	Last Calibration	Due Calibration	Range
200-139	Temperature Chart Recorder	Honeywell	Truline DR45AT	12/18/2007	6/18/2008	-110 to +300° F; 0 to 100% RH
200-140	Temperature Controller	Watlow	922	5/25/2007	5/25/2009	-99.9 to +392.5°F
400-030	Stopwatch	Radio Shack	63-5014	7/23/2007	7/23/2008	0 to 10 Hours
500-029	Temperature / Humidity Chamber	Thermotron	WD-384-20-25	N/A	N/A	-100 to 350°F; 20 to 99% RH