



Farabaugh Engineering and Testing Inc.

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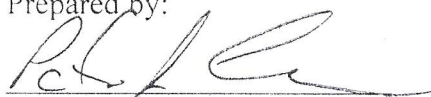
PERFORMANCE TEST REPORT ASTM E2140 WATER TEST

ULTIMATE PIPE FLASHING

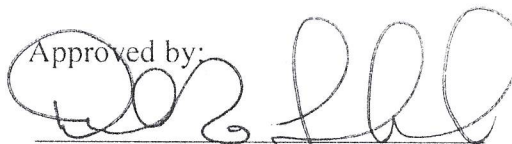
FOR

LIFETIME TOOL & BUILDING PRODUCTS
P.O. BOX 126
BLUEMONT, VA 20135

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TL-186



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TEXAS DEPARTMENT
OF INSURANCE
ACCREDITED LABORATORY

PERFORMANCE TEST REPORT

Manufacturer

Lifetime Tool & Building Products
P. O. Box 126
Bluemont, VA 20135

Product Identification

Test Specimen: Ultimate Pipe Flashing

Test Assembly

The test specimen was the Ultimate Pipe Flashing comprised of a Kynar coated galvanized steel embodiment plate attached to a silicone pipe boot with a PVC Molded Compression Collar. The specimen was assembled over a 3" Schedule 40 plastic pipe. The PVC collar was fitted over the silicone pipe boot to provide a weather tight seal to the pipe. The steel embodiment plate was sealed to the perimeter chamber frame. The top of the pipe opening was sealed closed.

Test Procedure

The tests were conducted in accordance with the ASTM E2140-01 "Standard Test Method for Water Penetration of Metal Roof Panel Systems by Static Water Pressure Head" and as provided herein. Test data was recorded and is shown on the attached data sheets for each test. The water levels were maintained above the highest point of the top seal of the pipe boot to the pipe. The test chamber was modified to isolate the test specimen only. The testing was limited to testing the seal between the silicone boot to the pipe and the seal between the silicone boot and the steel embodiment plate. See attached drawing for assembly details.

TEST DATA

TEST DATE: 4-21-11

SPECIMEN: Ultimate Pipe Flashing

MANUFACTURER: Lifetime Tool & Building Products

STATIC WATER LEAKAGE TEST

PHASE	WATER HEAD	DURATION	RESULTS
1	3"	5 min.	No leakage
2	3"	5 min.	No leakage
3	6"	1 hr.	No leakage
4	6"	2 hr.	No leakage
5	6"	3 hr.	No leakage

Total Duration of 3" Water Head = 10 min.

Total Duration of 6" Water Head = 6 hr.

RESULTS: No signs of water leakage after completion of the test.