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ALUMIL N.A. CORPORATION
AAMA/ WDMA/ CSA 101/ I.S.2/ A440-05
TEST SUMMARY REPORT

Report No: *NCTL-110-12664-1S*
Expiration Date: *02/28/14*

Test Specimen

Manufacturer: Alumil N.A. Corporation
Product Type: Casement Aluminum Prime Window
Series/Model: "Alutherm Plus M11000"
Primary Product Designation: C-AW150 914.4 x 1524 (36x60)
Optional Product Designation: Not Applicable
Test Completion Date: 02/24/10

Reference should be made to Structural Performance Test Report Number NCTL-110-12664-1 for complete specimen description and test data.

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JAY LEADER
Technician



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STRUCTURAL PERFORMANCE TEST REPORT

Report No: NCTL-110-12664-1
Test Date: 02/24/10
Report Date: 02/25/10
Expiration Date: 02/28/14

Client: Alumil N.A. Corporation
4401 21ST Street, Suite 203
Long Island City, NY 11101

Test Specimen: Alumil N.A. Corporation's Model "Alutherm Plus M11000" Casement Aluminum Prime Window C-AW150 914.4 x 1524 (36x60).

Test Specification: AAMA/WDMA/CSA 101/I.S.2/A440-05, "Standard/Specification for Windows, Doors and Unit Sky Lights."

TEST SPECIMEN DESCRIPTION

General: The test specimen was an inswinging casement aluminum prime window measuring 914.4 mm (36") wide by 1524 mm (60") high overall. The vent measured 855.66 mm (33-11/16") wide by 1468.44 mm (57-13/16") high. The frame and vent were thermally broken using insul-bar thermal barriers. A single handle five (5) point integrated lock was located at midspan of the lockstile. Three (3) lock points were located at the lockstile and one (1) lock point was located at midspan of the top and bottom rails. The metal keepers were located on the frame at the lock positions. A metal pin-type hinge was located at the top, bottom and midspan of the hinge jamb. The frame and vent were of mitered corner construction with staked-in-place extruded aluminum corner gussets.

Glazing: The vent was interior glazed using sealed insulating glass with a vinyl four (4) leaf glazing gasket back-bedding and a snap-in extruded aluminum glazing bead with a flexible vinyl wedge gasket. The overall insulating glass thickness was 22.23 mm (7/8") consisting of two (2) lites of 5 mm (3/16") annealed glass and one (1) space created by an aluminum-reinforced butyl spacer system. (A5-D).

Weatherseals: One (1) strip of two (2) leaf vinyl weatherstrip was located at the vent perimeter. One (1) strip of single-leaf gooseneck vinyl weatherstrip was located at the frame perimeter. One (1) strip of single-leaf vinyl weatherstrip was located at the frame perimeter.

Weeps: One (1) weep hole measuring 9.53 mm (3/8") in diameter was located at 101.6 mm (4") from each end of the bottom rail. One (1) weep hole measuring 33.34 mm (1-5/16") x 9.53 mm (3/8") was located at 104.78 mm (4-1/8") from each end of the exterior sill face.

Interior & Exterior Surface Finish: Mill finish aluminum.

Sealant: The frame and vent corners were sealed with a silicone sealant. The glazing perimeter was back-filled with a silicone sealant.