

SOUTH FLORIDA TEST SERVICE
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INSPECTION REPORT

INSPECTION DATA AT 12 Months

May 16, 2017

Ms. Sandra Bohman
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Canada

Purchase Order Number: 73792; Release Number: N/A
Client Reference: Intertek
Client Code: RBAT
Account Number: 120301

Test Number: FS46086

Report Number: 1
Test Type: INLAND WEATHERING
Test Location: Miami, Florida (26°N)
Specimens Inspected: 3
Description: Siding Samples

Exposure Type: Exposure testing is performed in Miami, Florida (26°N) in accordance with Governing Standards at a tilt angle of 45° from the horizontal facing south. The specimens are mounted unbacked on a 1643 x 3586 mm aluminum exposure rack, with grass groundcover, and the uncoded side facing the sun.

Observations, Deviations and Waivers

INSPECTOR DEFINED #1, UNWASHED AREA = CHIPPING - ASTM RATING SCALE

Notes contained in relevant documents are an integral part of a test, and shall be included by the client in discussions, correspondence, and presentation of test results to a third party. This Test Report represents only one part of the test documentation. Interim reports and other test documentation may have been submitted prior to this date. Test results reported are pertinent only to the items tested and are not relevant to other specimens of the same type, or in the same lot, which are not being tested. Test Reports, and/or other pertinent test documentation, shall not be reproduced, except in full, without the written approval of Atlas Weathering Services Group and so certified by the client.

INSPECTION TEST PART 1

RADIATION DATA

Exposure Period: 5/13/2016 - 5/15/2017
 Type of Test: 45° Direct Global
 Radiant Energy: Total: 6,628 MJ/m² (Total); 158,413 Langleys
 UV: 300 MJ/m² (295-385 nm)

OBSERVATIONS FOR PART 1

5/12/16 - Initial
 The coating along the top edge of specimen coded S2-2A FL, shows slight cracking.

VISUAL MEASUREMENTS

The following Visual Evaluations (with associated Standards) are performed initially & at 12 Months:

- VISUAL COLOR, UNWASHED AREA - ASTM D1729 - 2016
- FLAKING, UNWASHED AREA - ASTM D772-86 (2011)
- INSPECTOR DEFINED #1, UNWASHED AREA = CHIPPING - ASTM RATING SCALE
- PEELING, UNWASHED AREA - ASTM RATING SCALE
- PITTING - ASTM RATING SCALE

General visual evaluations are performed in accordance with client instructions. Specimens inspected indoors are illuminated by overhead Macbeth D65 fluorescent lamps simulating average daylight, with illumination between 810 lux and 1880 lux. The surround and ambient field of the inspection area are neutral gray in color.

Sample Number	COLOR CHNGE UNWSH	PEEL UNWSH	FLAKE UNWSH	PIT.	INSP1 UNWSH
12 Months of 12 Months					
S2-2A FL	10	10	10	10	10
S2-2B FL	10	10	10	10	10
S2-3 FL	10	10	10	10	10

VISUAL LEGEND

COLOR CHNGE UNWSH = VISUAL COLOR, UNWASHED AREA
 PEEL UNWSH = PEELING, UNWASHED AREA
 FLAKE UNWSH = FLAKING, UNWASHED AREA
 PIT. = PITTING
 INSP1 UNWSH = INSPECTOR DEFINED #1, UNWASHED AREA, SEE ODW

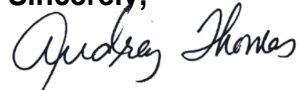
VISUAL COLOR	ASTM
B Bleaching	10 None
D Darkening	8 Trace
F Fade	6 Slight
BR Bronzing	4 Moderate
M Mottled	2 Severe
Y Yellowing	0 Failure
G Greying	
DC Discolor	

PHOTOGRAPHY:

Photos are taken of all 3 exposed specimens, next to the 3 control specimens, with a matte gray card placed underneath, after 12 months of exposure.

If you have any questions, please do not hesitate to contact us.

Sincerely,



Audrey Thomas
Group Leader
Evaluations