

COMPUESTOS TECNOLOGICOS de MEXICO SA de CV TEST REPORT

SCOPE OF WORK

ASTM B136 STAIN RESISTANCE EVALUATION ON ALUCOMEX - ALUMINUM COMPOSITE PANELS

REPORT NUMBER

I3535.01-106-31 R0

TEST DATES

04/23/18 - 04/24/18

ISSUE DATE

05/09/18

RECORD RETENTION END DATE

04/24/22

PAGES

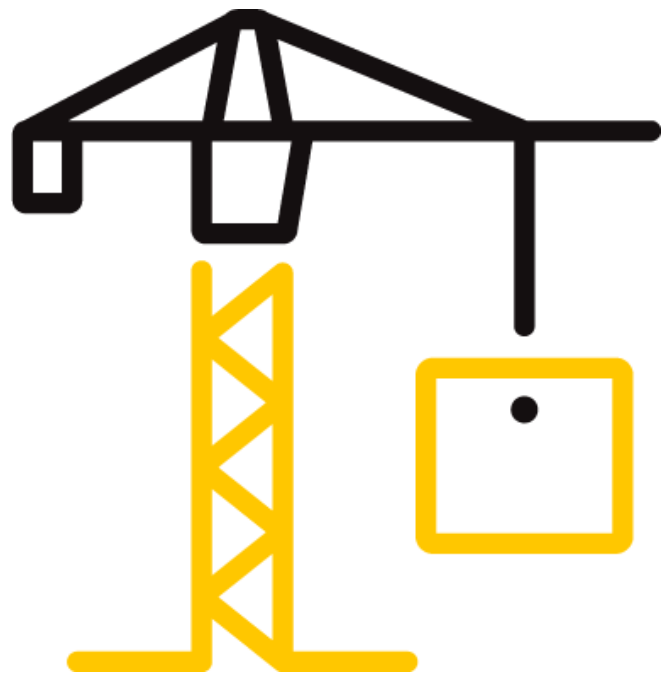
9

DOCUMENT CONTROL NUMBER

ATI 00231 (09/05/17)

RT-R-AMER-Test-2827

© 2017 INTERTEK



TEST REPORT FOR COMPUESTOS TECNOLOGICOS DE MEXICO SA DE CV

Report No.: I3535.01-106-31 R0

Date: 05/09/18

REPORT ISSUED TO

COMPUESTOS TECNOLOGICOS de MEXICO SA de CV

Carretera Libramiento Norte Leon Queretaro km 4.6 Malvas Parque
Industrial Apolo
Irapuato, 36547 (Mexico)

SECTION 1

SCOPE

Product: Alucomex - Aluminium Composite Panels

Intertek Building & Construction (B&C) was contracted by Compuestos Tecnologicos de Mexico SA de CV to evaluate their Alucomex - Aluminum Composite Panels in accordance with ASTM B136, *Measurement of Stain Resistance of Anodic Coatings on Aluminum*. Results obtained are tested values and were secured by using the designated test method. Testing was conducted at the Intertek B&C test facility in York, Pennsylvania.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

For INTERTEK B&C:

COMPLETED BY:	Daryn S. Fassnacht
TITLE:	Technician III Materials Laboratory
SIGNATURE:	
DATE:	05/09/18

REVIEWED BY:	Joseph M. Brickner
TITLE:	Laboratory Supervisor Materials Laboratory
SIGNATURE:	
DATE:	05/09/18

DSF:jmb/kf

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample(s) tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

TEST REPORT FOR COMPUESTOS TECNOLOGICOS DE MEXICO SA DE CV

Report No.: I3535.01-106-31 R0

Date: 05/09/18

SECTION 2

TEST METHOD

The specimens were evaluated in accordance with the following:

ASTM B136-84, *Measurement of Stain Resistance of Anodic Coatings on Aluminum*

SECTION 3

MATERIAL SOURCE

The materials were provided by Compuestos Tecnologicos de Mexico SA de CV. The following were received: Ten (10), 3" x 3" Aluminum Composite Panels

Refer to the product description photos in Section 10. Representative test specimens will be retained by Intertek B&C for a minimum of four years from the test completion date.

SECTION 4

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Daryn S. Fassnacht	Intertek B&C
Joseph M. Brickner	Intertek B&C

TEST REPORT FOR COMPUESTOS TECNOLOGICOS DE MEXICO SA DE CV

Report No.: I3535.01-106-31 R0

Date: 05/09/18

SECTION 5

TEST PROCEDURE

All conditioning of test specimens and test conditions were at standard laboratory conditions unless otherwise reported. Refer to the test related photos in Section 10.

ASTM B136 - Stain Resistance

The specimens arrived with the dimensions being nominally 3" x 3". There was a thin piece of plastic on the face side of the specimen that was removed. One drop of HNO₃ (Nitric Acid) was placed in the center of each specimen and allowed to remain for two minutes. After two minutes the specimens were subjected to a rinse under running water and blotted dry. Once completely dried, a drop of Navy Blue Dye was placed over the exact spot that was covered by the Nitric Acid on each specimen for five minutes. The process of cleaning and blotting was repeated, after dry the specimens were wiped down with Pumice Powder over the affected areas. The specimens were then cleaned and blotted a final time for observation. Specimens are considered passing if no color from the dye is visible in the test areas.

SECTION 6

TEST SPECIMEN DESCRIPTION

TEST PROCEDURE	NUMBER OF SPECIMENS	NOMINAL SPECIMEN DIMENSIONS	VISUAL CHARACTERISTICS
ASTM B136	5	3" x 3"	Silver Square Aluminium Tiles

SECTION 7

TEST RESULTS

ASTM D136 - Stain Resistance

SPECIMEN NO.	NITRIC ACID TIME (min)	DYE ELAPSED TIME (min)	PASS / FAIL	OBSERVATIONS
1	2	5	Pass	Specimens returned to original state
2	2	5	Pass	Specimens returned to original state
3	2	5	Pass	Specimens returned to original state
4	2	5	Pass	Specimens returned to original state
5	2	5	Pass	Specimens returned to original state



Total Quality. Assured.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR COMPUESTOS TECNOLOGICOS DE MEXICO SA DE CV

Report No.: I3535.01-106-31 R0

Date: 05/09/18

SECTION 8

CONCLUSION

The specimens have passed ASTM B136 per the testing requirements. The specimens shall be considered passing if no color from the dye is visible in the test area.

TEST REPORT FOR COMPUESTOS TECNOLOGICOS DE MEXICO SA DE CV

Report No.: I3535.01-106-31 R0

Date: 05/09/18

SECTION 9 PHOTOGRAPHS



Photo No. 1
Received Specimens

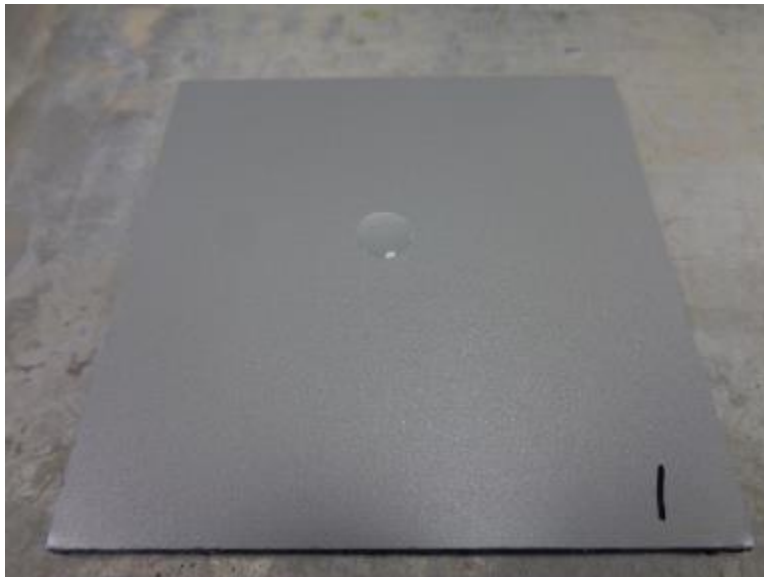


Photo No. 2
Nitric Acid

TEST REPORT FOR COMPUESTOS TECNOLOGICOS DE MEXICO SA DE CV

Report No.: I3535.01-106-31 R0

Date: 05/09/18



Photo No. 3
Liquid Navy Blue Dye



Photo No. 4
Pumice Powder

TEST REPORT FOR COMPUESTOS TECNOLOGICOS DE MEXICO SA DE CV

Report No.: I3535.01-106-31 R0

Date: 05/09/18



Photo No. 5
Finalized Testing



Total Quality. Assured.

130 Derry Court
York, Pennsylvania 17406

Telephone: 717-764-7700
Facsimile: 717-764-4129
www.intertek.com/building

TEST REPORT FOR COMPUESTOS TECNOLOGICOS DE MEXICO SA DE CV

Report No.: I3535.01-106-31 R0

Date: 05/09/18

SECTION 10

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	05/09/18	N/A	Original Report Issue