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# AS GROUP CORP.
# TEST REPORT

**SCOPE OF WORK**
ASTM D635 RATE OF BURN EVALUATION OF ALCOPON(R) ALUMINUM COMPOSITE PANEL

**REPORT NUMBER**
L3964.02-106-31 R0

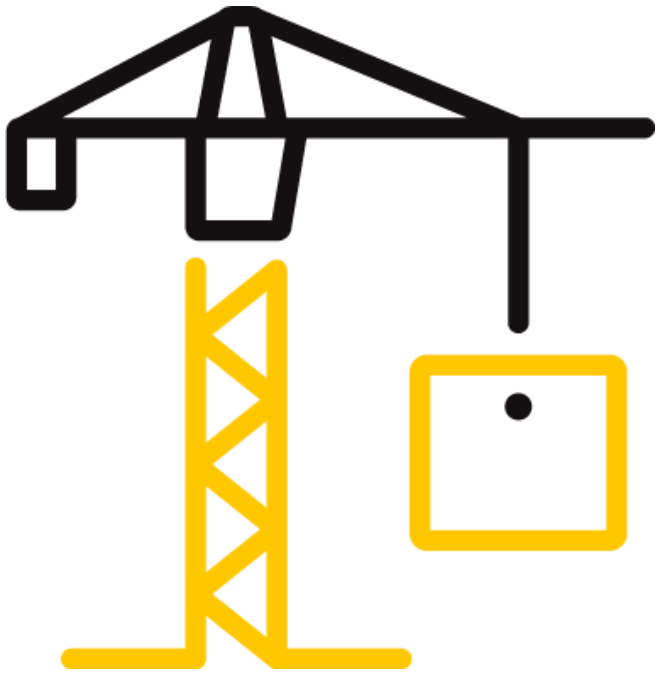
**TEST DATE**
09/28/20

**ISSUE DATE**
10/19/20

**RECORD RETENTION END DATE**
09/28/24

**PAGES**
7

**DOCUMENT CONTROL NUMBER**
ATI 00231 (09/05/17)
RT-R-AMER-Test-2827

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**TEST REPORT FOR AS GROUP CORP.**
Report No.: L3964.02-106-31 R0
Date: 10/19/20

## REPORT ISSUED TO

**AS GROUP CORP.**
1440 Gravesend Neck Rd.
Brooklyn, New York 11229

## SECTION 1

**SCOPE**

**Product**: ALCOPON(R) Aluminum Composite Panel

Intertek Building & Construction (B&C) was contracted by AS Group Corp. to evaluate ALCOPON(R) Aluminum Composite Panel in accordance with ASTM D635 Rate of Burn. Results obtained are tested values and were secured by using the designated test method(s). 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:** | Isaiah S. Gingrich | **REVIEWED BY:** | Dawn M. Chaney |
| **TITLE:** | Technician I<br>Materials Laboratory | **TITLE:** | Technician Team Lead<br>Materials Laboratory |
| **SIGNATURE:** | Digitally Signed by: Isaiah Gingrich | **SIGNATURE:** | Digitally Signed by: Dawn M. Chaney |
| **DATE:** | 10/19/20 | **DATE:** | 10/19/20 |

ISG:dmc/als

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## SECTION 2
## TEST METHOD

The specimens were evaluated in accordance with the following:

> **ASTM D635-18**, *Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position*

## SECTION 3
## MATERIAL SOURCE

The materials were provided by AS Group Corp. The following were received in good condition on 9/21/2020: 20 nominally 125 mm x 13 mm x 4 mm ALCOPON(R) Aluminum Composite Panel specimens. Refer to the product description photo in Section 9. The material was tested as received. Representative materials/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 |
|---|---|
| Isaiah S. Gingrich | Intertek B&C |
| Dawn M. Chaney | Intertek B&C |

## 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 9. Calibration certificates available upon request.

**ASTM D635 - Rate of Burn**
A specimen was supported horizontally at one end and the free end exposed to a gas flame from a laboratory burner (ICN: Y002875) inside of a fire hood (ICN: 005985) for 30 seconds. After removal of the flame, the specimen was observed for time and extent of burning. Specimen dimensions were measured with a 6" x 0.001" caliper (ICN: 538-2).

***Caveat***: *This standard is used to measure and describe the response of materials, products, or assemblies to heat and flame under controlled conditions, but does not by itself incorporate all factors required for fire hazards or fire risk assessment of materials, products, or assemblies under actual fire conditions.*

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## SECTION 6
**TEST SPECIMEN DESCRIPTION**

| TEST PROCEDURE | NUMBER OF SPECIMENS | NOMINAL SPECIMEN DIMENSIONS |
|---|---|---|
| ASTM D635 | 10 | 125 mm x 13 mm x 4 mm |

## SECTION 7
**TEST RESULTS**

| SPECIMEN NO. | INITIAL BURN | SUSTAINED BURN BEYOND 30 sec/25 mm | ELAPSED TIME (sec) | BURN LENGTH (mm) | LINEAR BURN RATE (mm/min) | COMMENTS |
|---|---|---|---|---|---|---|
| 1 | No | No | N/A | N/A | N/A | Charring on Corners |
| 2 | No | No | N/A | N/A | N/A | Charring on Corners |
| 3 | No | No | N/A | N/A | N/A | Charring on Corners |
| 4 | No | No | N/A | N/A | N/A | Charring on Corners |
| 5 | No | No | N/A | N/A | N/A | Charring on Corners |
| 6 | No | No | N/A | N/A | N/A | Charring on Corners |
| 7 | No | No | N/A | N/A | N/A | Charring on Corners |
| 8 | No | No | N/A | N/A | N/A | Charring on Corners |
| 9 | No | No | N/A | N/A | N/A | Charring on Corners; Smoking after flame removal |
| 10 | No | No | N/A | N/A | N/A | Charring on Corners |

## SECTION 8
**CONCLUSION**

The requested test method does not contain specific performance requirements. Results are reported as obtained.

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## SECTION 9
## PHOTOGRAPHS


**Photo No. 1**
**Materials, As Received**

**Photo No. 2**
**ASTM D635 Test Setup, Pre-Test**

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**Photo No. 3**
**ASTM D635 Rate of Burn, Testing**

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## SECTION 10
## REVISION LOG

| REVISION # | DATE | PAGES | REVISION |
|---|---|---|---|
| 0 | 10/19/20 | N/A | Original Report Issue |