

PRODUCT TESTING

45° VERTICAL

FLAMMABILITY TEST

COMPLETED BY:
Aeroblaze Laboratory

TESTING CATEGORY:
Aerospace Flammability

PRODUCTS TESTED:
H and F Series

DATE:
06/05/2026

We submitted samples of our H and F Series of Cerakote coatings to Aeroblaze Laboratory, Inc., a third-party testing facility that specializes in aerospace flammability testing.

The testing parameters and results are as follows.

TEST CONDUCTED

45° Flammability Test (which meets the 14 CFR 25.853(a) at Amendment 25-116; Appendix F, Part I(a)1(i))

TESTING PARAMETERS

- Ignition Temperature: 1,550°F minimum
- Ignition Time: 60 seconds
- Substrate: 6061 Aluminum

CERAKOTE COATINGS TESTED

- H-900 Electrical Barrier
- H-157 Bright Nickel
- F-102 Carbon Black

RESULTS

All coatings tested **PASSED** the Federal Standard.

This information is accurate to the best of our knowledge; however, it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Vertical Flammability Test Results (60-s)

14 CFR 25.853(a) at Amdt. 25-116; Appendix F, Part I(a)(1)(i)

Customer Information

NIC Industries
7050 6th Street
White City, Oregon 97503

Sample Information

(H-900) 6061 Aluminum - 3x12 inch (.32), 2.9x2.9 inch (.32),
5.9x5.9 inch (.32) - no hole, no rounded edge

Conditioning: 24 hours minimum at 70 ± 5 °F and 50 ± 5 %RH.

Flame Temp: 1,550 °F minimum

Sample	Ignition Time (sec)	Flame Time (sec)	Drip Flame Time (sec)	Burn Length (inch)
1	60.0	0.0	0.0 No Drips	0.0
2	60.0	0.0	0.0 No Drips	0.0
3	60.0	0.0	0.0 No Drips	0.0
Average:		0.0	0.0	0.0
Result:		PASS	PASS	PASS

Acceptance Criteria:

Flame Time Average: 15.0 seconds maximum
Drip Flame Time Average: 3.0 seconds maximum
Burn Length Average: 6.0 inches maximum

Result

☒ PASS☐ FAIL

Notes:

No damage due to combustion. Burn length recorded as zero.

RESULTS RELATE ONLY TO THE ITEMS AS RECEIVED AND TESTED. THIS REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL.

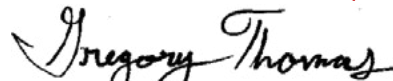
DECISION RULE: PASS/FAIL CRITERIA IS DETERMINED BY DIRECT COMPARISON OF THE REPORTED RESULT TO THE TEST METHOD'S SPECIFIED LIMIT(S).

NOTE TO INSPECTORS: THIS BURN CERTIFICATE MAY NOT BE SUFFICIENT TO MEET REGULATORY REQUIREMENTS, EVEN IF SIGNED BY A D.E.R.

MATERIALS MUST BE TESTED IN COMPOSITE BUILDUPS BY THE INSTALLER AND MAY REQUIRE FAA APPROVAL. CONTACT US WITH QUESTIONS.

Tested by: Logan Campbell
Lab Technician

05-Jun-26

Approval:
Gregory Thomas, Lab Manager

05-Jun-26

Vertical Flammability Test Results (60-s)

14 CFR 25.853(a) at Amdt. 25-116; Appendix F, Part I(a)(1)(i)

Customer Information

NIC Industries
7050 6th Street
White City, Oregon 97503

Sample Information

(F-102) 6061 Aluminum - 3x12 inch (.32), 2.9x2.9 inch (.32),
5.9x5.9 inch (.32) - no hole, no rounded edges

Conditioning: 24 hours minimum at 70 ± 5 °F and 50 ± 5 %RH.

Flame Temp: 1,550 °F minimum

Sample	Ignition Time (sec)	Flame Time (sec)	Drip Flame Time (sec)	Burn Length (inch)
1	60.0	0.0	0.0 No Drips	0.0
2	60.0	0.0	0.0 No Drips	0.0
3	60.0	0.0	0.0 No Drips	0.0
Average:		0.0	0.0	0.0
Result:		PASS	PASS	PASS

Acceptance Criteria:

Flame Time Average: 15.0 seconds maximum
Drip Flame Time Average: 3.0 seconds maximum
Burn Length Average: 6.0 inches maximum

Result

☒ PASS☐ FAIL

Notes:

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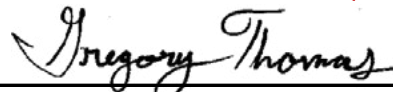
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05-Jun-26

Approval:
Gregory Thomas, Lab Manager

05-Jun-26

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14 CFR 25.853(a) at Amdt. 25-116; Appendix F, Part I(a)(1)(i)

Customer Information

NIC Industries
7050 6th Street
White City, Oregon 97503

Sample Information

(H-157) 6061 Aluminum - 3x12 inch (.32), 2.9x2.9 inch (.32),
5.9x5.9 inch (.32) - no hole, no rounded edges

Conditioning: 24 hours minimum at 70 ± 5 °F and 50 ± 5 %RH.

Flame Temp: 1,550 °F minimum

Sample	Ignition Time (sec)	Flame Time (sec)	Drip Flame Time (sec)	Burn Length (inch)
1	60.0	0.0	0.0 No Drips	0.0
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Average:		0.0	0.0	0.0
Result:		PASS	PASS	PASS

Acceptance Criteria:

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Result

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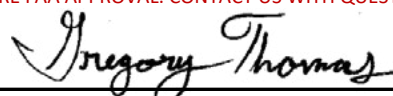
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