

CLIENT: Bridgehill
Elveveien 34 3262
Larvik, Norway

Test Report No: RJ8574F-2

Date: January 24, 2024

SAMPLE ID: The test samples are identified as: **BRIDEHILL Car fire blanket Pro X NR.103251 thickness 0.020"**

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on January 11, 2024.

TESTING PERIOD: January 16 through January 23, 2024.

AUTHORIZATION: Testing authorized by Francis Carillo QAI proposal No. 23DN1204-01, signed on December 14, 2023.

TEST REQUESTED: The sample material was tested in accordance with the procedures outlined in NFPA 701-19, Method 2 "Standard Methods of Fire Tests for Flame Propagation of Textiles and Films, flat specimens, Original Condition and 72 hrs water leaching.

TEST RESULTS: The Bridgehill Car fire blanket Pro X NR.103251 **has met** the performance requirements per the Performance Criteria outlined in NFPA 701-2019. See page 2 for detailed results

Prepared By



Victor.A.Peinado
Fire Lab Supervisor

**Signed for and on behalf of
QAI Laboratories, Inc.**



Jason Friedrich P.E.
Engineering Manager

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FIRE TESTS FOR FLAME PROPAGATION

SAMPLE PREPARATION CHAPTER 13.1

Test was conducted in accordance with NFPA-701 2019 edition. 10 Specimens were prepared from the submitted sample for original condition. Specimens were cut 125 mm x 1200 mm from the sample roll. The specimens were cut with the long dimension in the direction of the lengthwise of the material.

CONDITIONING:

The specimens were conditioned at a temperature of 68° F ± 9°F for at least 24 hours prior to testing.

TEST PROCEDURE

The flame was applied vertically at the center of the width of the lower end of the specimens for 2 minutes, then withdrawn, and the duration of flaming in the specimens after withdrawal of the burner recorded. After complete extinction of all flame and glow in the specimen, the length of char was measured.

TEST RESULTS ORIGINAL CONDITION:

Specimen No.	Char Length (inches)	After Flame, (seconds)	Time of Flaming of pieces on floor (seconds)
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0

Note* Samples did not ignite

FIRE TESTS FOR FLAME PROPAGATION

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CONDITIONING:

The specimens were immersed in tap water for 72 hours. After the immersion period the samples were dried out at a temperature of 68° F ± 9°F for at least 24 hours prior to testing.

TEST PROCEDURE

The flame was applied vertically at the center of the width of the lower end of the specimens for 2 minutes, then withdrawn, and the duration of flaming in the specimens after withdrawal of the burner recorded. After complete extinction of all flame and glow in the specimen, the length of char was measured.

TEST RESULTS 72 HOURS WATER LEACHING:

Specimen No.	Char Length (inches)	After Flame, (seconds)	Time of Flaming of pieces on floor (seconds)
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0

Note* *Samples did not ignite*

PERFORMANCE CRITERIA

- 1) When any specimen continues flaming for more than 2 seconds after the flame is removed from the contact with the specimen, the material shall be recorded as having failed the test.
- 2) When the char length of any single flat specimen exceeds 435mm (17.1 in.) the material shall be recorded as having failed the test.
- 3) When at any time during or after the application of the test flame, any portions or residues of the material being tested breaks or drips from the specimen and fall to the floor of the test apparatus, and continue burning for more than 2 seconds after reaching the floor of the test apparatus, the material shall be recorded as having failed the test.

Photograph



Photo #1

BRIDGEHILL Car fire blanket Pro X NR.103251 thickness 0.020"

As received from client.

******End of Report******

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