

**CLIENT: Bridgehill AS**  
Elveveien 34  
Larvik, 3262

<b>Test Report No: QA-2141F-1</b>	<b>Date: September 02, 2025</b>
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**SAMPLE ID:** The test samples are identified by the client as: **Core Fabric consisting of Silica, Alumina, Calcium oxide and Boron oxide. Nominal thickness 0.030"**

**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 August 22, 2025.

**TESTING PERIOD:** August 29, 2025.

**AUTHORIZATION:** Testing authorized by Arezoo Naraghi QAI proposal No. QAI-1686, signed on June 06, 2025.

**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.

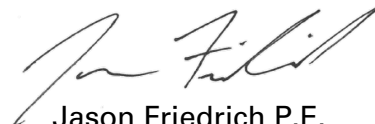
**TEST RESULTS:** The Core Fabric ***has met*** the performance requirements  
Per the Performance Criteria outlined in NFPA 701-2019. See page 2 for detailed results.

**Prepared By**



Victor.A.Peinado  
Fire Lab Supervisor

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



Jason Friedrich P.E.  
Engineering Manager

**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The flame was applied vertically at the center of the width of the lower end of the specimens for 2 minutes, then withdrawn, and the duration of flaming in the specimens after withdrawal of the burner recorded.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	4	0	0
2	4	0	0
3	5	0	0
4	4	0	0
5	5	0	0
6	4	0	0
7	4	0	0
8	5	0	0
9	4	0	0
10	4	0	0

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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 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	5	0	0
2	5	0	0
3	4	0	0
4	5	0	0
5	4	0	0
6	5	0	0
7	4	0	0
8	5	0	0
9	5	0	0
10	5	0	0

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**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**

*Core Fabric. Nominal thickness 0.030"*  
As received from client.

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

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