

MOLO DESIGN LTD.

TEST REPORT

SCOPE OF WORK

NFPA 701-2019, METHOD 1 - STANDARD METHODS OF FIRE TESTS FOR FLAME PROPAGATION OF TEXTILES WITH AREAL DENSITIES LESS THAN OR EQUAL TO 700 G/M²

REPORT NUMBER

K1072.01-121-24-R0

TEST DATE(S)

08/30/19

ISSUE DATE

09/06/19

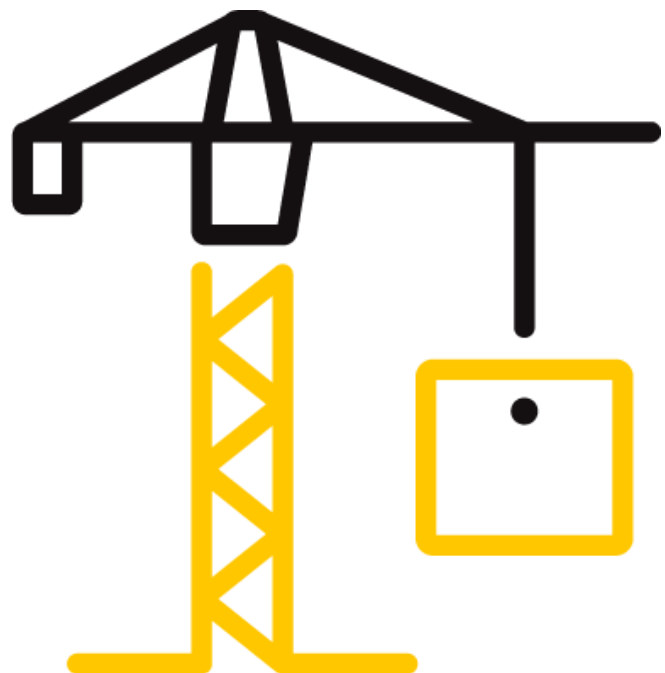
PAGES

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DOCUMENT CONTROL NUMBER

RT-R-AMER-Test-4098 (02/27/19)

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TEST REPORT FOR CUSTOMER NAME

Report No.: K1072.01-121-24-R0

Date: 09/06/19

REPORT ISSUED TO

MOLO DESIGN LTD.

1470 Venables St.

Vancouver, British Columbia V5L 2G7

Canada

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Momo Design Ltd., Vancouver, British Columbia to perform testing in accordance with NFPA 701-2019, Method 1 Standard Methods of Fire Tests for Flame Propagation of Textiles with areal densities less than or equal to 700 g/m², on their FR treated Dupont® Tyvek™. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at Intertek testing facility in York, Pennsylvania.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends four years after the test date. Test records, such as detailed drawings, datasheets, representative samples of test specimens, or other pertinent project documentation, will be retained for the entire test record retention period.

SECTION 2

SUMMARY OF TEST RESULTS

No specimen had an average weight loss greater than forty percent (40%). The percent weight loss each individual specimen did not exceed the mean percent weight loss value. There was no flaming on floor of apparatus lasting longer than two seconds.

The specimens met the specified performance requirements.

For INTERTEK B&C:

| | | | |
|----------------------|--|---------------------|------------------------|
| COMPLETED BY: | Scott Gingrich | REVIEWED BY: | Ethan Grove |
| TITLE: | Technician Team Lead – Fire Testing | TITLE: | Manager – Fire Testing |
| SIGNATURE: | | SIGNATURE: | |
| DATE: | 09/06/19 | DATE: | 09/06/19 |

SDG:ddr

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SECTION 3

TEST METHOD(S)

The specimens were evaluated in accordance with the following:

NFPA 701-2019, *Standard Methods of Fire Tests for Flame Propagation of Textiles and Films Method 1*

SECTION 4

MATERIAL SOURCE

Test samples were provided by the client.

SECTION 5

EQUIPMENT

| EQUIPMENT | | |
|------------|---------------------|------------------|
| ASSET No.: | DESCRIPTION: | CALIBRATION DUE: |
| 65100 | Stopwatch - | 08/07/2020 |
| 64989 | Gauge | 10/02/2019 |
| INT00024 | Scale - | 04/02/2020 |
| 63521 | Flowmeter - | 04/02/2020 |
| 65411 | Temp/Humid Reader - | 05/28/2020 |

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SECTION 6

TEST PROCEDURE

Testing was conducted in accordance with Chapters 4-10; Flame Test Procedures for Test Method 1.

SECTION 7

TEST SPECIMEN DESCRIPTION

10 samples of FR treated Dupont® Tyvek™ was tested. The material has a color of white and had an areal density of less than 700 g/m². The specimens were 6 in. wide x 16 in. long.

SECTION 8

TEST RESULTS

| Sample | Weight Before (g) | Weight After (g) | Weight Loss (%) | After Flame (sec) | Floor Flame (sec) |
|---------------------------------------|-------------------|------------------|-----------------|-------------------|-------------------|
| 1 | 4.8 | 4.7 | 2.1% | 0 | 0 |
| 2 | 4.8 | 4.7 | 2.1% | 0 | 0 |
| 3 | 4.8 | 4.8 | 0.0% | 0 | 0 |
| 4 | 4.8 | 4.7 | 2.1% | 0 | 0 |
| 5 | 4.8 | 4.8 | 0.0% | 0 | 0 |
| 6 | 4.8 | 4.7 | 2.1% | 0 | 0 |
| 7 | 4.8 | 4.7 | 2.1% | 0 | 0 |
| 8 | 4.7 | 4.6 | 2.1% | 0 | 0 |
| 9 | 4.9 | 4.8 | 2.0% | 0 | 0 |
| 10 | 4.8 | 4.8 | 0.0% | 0 | 0 |
| Average | 4.8 | 4.73 | 1.5% | 0 | 0 |
| Standard deviation of % Weight Loss | | | 1.0% | | |
| Mean Value plus 3 standard deviations | | | 4% | | |

SECTION 9

CONCLUSION

The specimens met the specified performance requirements.



Total Quality. Assured.

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SECTION 10

REVISION LOG

| REVISION # | DATE | PAGES | REVISION |
|------------|----------|-------|-----------------------|
| 0 | 09/06/19 | N/A | Original Report Issue |