



Tested For:	Lone Henriksen	Phone:	011 45 89 53 18 80	Received:	12/4/2025
	Kvadrat A/S	Fax:		Completed:	12/10/2025
	Lundbergsvej 10 DK-8400 Ebeltoft	Mobile:		Code:	I
		PO#:		Test Report:	3-61233-0
	Denmark	Email:	lh@kvadrat.dk		

Key Test: CAN/ULC-S102

915

Client's Identification:

Lot No.: 8112. Style: Hero 2 / Hero Heather. Finish: None. Composition: 97% wool, 3% recycled nylon. Weight: App. 410 g/m². Product End Use: Wall covering.

LE: 2018 V 02/23 BG PC: ME CODE: I=1520 F=3230 CLEAN=1105 /dv

TEST PERFORMED: CAN/ULC-S102-18 - Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies

TEST CONDUCTED:

- Indicative
 Formal

PRODUCT CATEGORY: Composite Panel Material
 Textile Type Product
 Vinyl Type Product

BRIEF DESCRIPTION OF TEST METHOD: The method is designed to determine the relative burning characteristics of materials under specific test conditions. Results of less than three identical specimens are expressed in terms of Flame Spread Value (FSV) and Smoke Developed Value (SDV). Results of three or more replicate tests on identical specimens produce average values expressed as Flame Spread Rating (FSR) and Smoke Developed Classification (SDC).

SUMMARY OF TEST PROCEDURE: The tunnel is preheated to 85°C, as measured by the backwall-embedded thermocouple located 7090 mm downstream of the burner ports, and allowed to cool to 40°C, as measured by the backwall-embedded thermocouple located 4000 mm from the burners. At this time the tunnel lid is raised, and the test sample is placed along the ledges of the tunnel so as to form a continuous ceiling above the floor and then the lid is lowered. Upon ignition of the gas burners, the flame spread distance is observed and recorded every second. Flame spread distance versus time is plotted, ignoring any flame front recessions. Calculations are based on comparison with flame spread characteristics of select red oak, determined in calibration trials and arbitrarily established as 100. If the area under the curve (AT) is less than or equal to 29.7 m²min, FSV=1.85·AT; if greater, FSV=1640/(59.4-AT). The Smoke Developed Value is determined by comparing the area under the obscuration curve for the test sample to that of inorganic reinforced cement board and red oak, established as 0 and 100, respectively.

LC

Ver. 2026-01-07 14:00

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96 Allen Boulevard Suite D, Farmingdale, NY 11735 USA • Phone: (631) 293-8944 • Email: govmark.test.reports@sgs.com



Tested For: Lone Henriksen Kvadrat A/S Lundbergsvej 10 DK-8400 Ebeltoft Denmark	Phone: 011 45 89 53 18 80 Fax: Mobile: PO#: Email: lh@kvadrat.dk	Received: 12/4/2025 Completed: 12/10/2025 Code: I Test Report: 3-61233-0
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Key Test: CAN/ULC-S102

915

SAMPLE PREPARATION:

- The sample consisted of three sections of materials, each approximately 610 mm in width by 2438 mm in length butted together to form the requisite specimen length. The specimen was free laid (no adhesive) on top of a 2" hexagonal wire mesh screen and 1/4" rods.
- Adhered to IRC: The test specimen was bonded to 1/4" Inorganic Reinforced Cement (IRC) boards.
- Adhered to Gypsum: The test specimen was bonded to 5/8" thick Type X gypsum board.
- Other: _____

ADHESIVE (applied by SGS North America): No
 Yes – specify:

REPORTED AS:

INDICATIVE (Single Specimen Test):
 Flame Spread Value (FSV): 30
 Smoke Developed Value (SDV): 25

FORMAL (Average Value of three replicate tests rounded to the nearest multiple of five points):
 Flame Spread Rating (FSR):
 Smoke Developed Classification (SDC):

RESULTS:

Specimen #	Flame Spread Value	Smoke Developed Value	Burn Distance (meters)	Time (seconds)
1	31.5	23.7	1.8	45
2	NT	NT	NT	NT
3	NT	NT	NT	NT

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Tested For:	Lone Henriksen Kvadrat A/S Lundbergsvej 10 DK-8400 Ebeltoft Denmark	Phone: 011 45 89 53 18 80 Fax: Mobile: PO#: Email: lh@kvadrat.dk	Received: 12/4/2025 Completed: 12/10/2025 Code: I Test Report: 3-61233-0
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Key Test: CAN/ULC-S102

915

OBSERVATIONS:

1. Specimen ignited and exhibited heavy burning drips to the floor.
2. Not tested.
3. Not tested.

REMARKS: NT = Not tested.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

Signed by:

Branden Gallagher

BC915566495A4BD...

1/9/2026

AUTHORIZED SIGNATURE
SGS NORTH AMERICA
/sj/jb

Enclosure: Graph



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Program: Steiner Tunnel (Version 1.1.0.0)

Test Method : CAN/ULC - S102
 Report # : 3-61233-0-1
 Test Date : 12/10/2025
 Client : Kvadrat A/S
 Operator : Lauren Chapin
 Details of Preparation : The sample consisted of three sections of materials, each approximately 610 mm in width and 2438mm in length butted together to form the requisite specimen length. the specimen was free laid (no adhesive) on top of a 2" hexagonal wire mesh screen and 1/4" rods.
 Observations : The specimen ignited and showed heavy burning drips to the floor. Aproximately halfway through the floor extinguished.

	Specimen 1
Area Under Flame Curve (m min)	17.1
Flame Spread Value	31.5
Ignition Time (mm:ss)	00:21
Area Under Smoke Curve (%A min)	22.1
Smoke Developed Value	23.7
Total Gas Flow (L)	1600.4
Maximum Flame Front Achieved (m)	1.8 @ 45s

Flame Spread Rating : 30
Smoke Developed Classification : 25

CERTIFICATION : I certify that the above results were obtained after testing the specimens in accordance with the procedures and equipment specified by CAN/ULC - S102

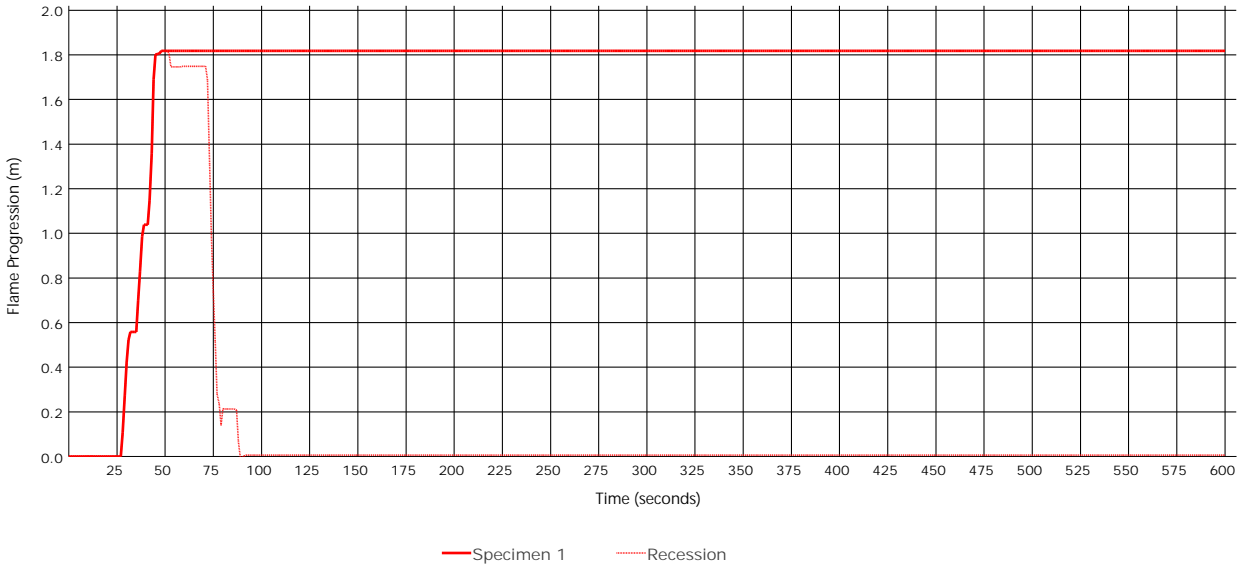
Lauren Chapin

AUTHORIZED SIGNATURE

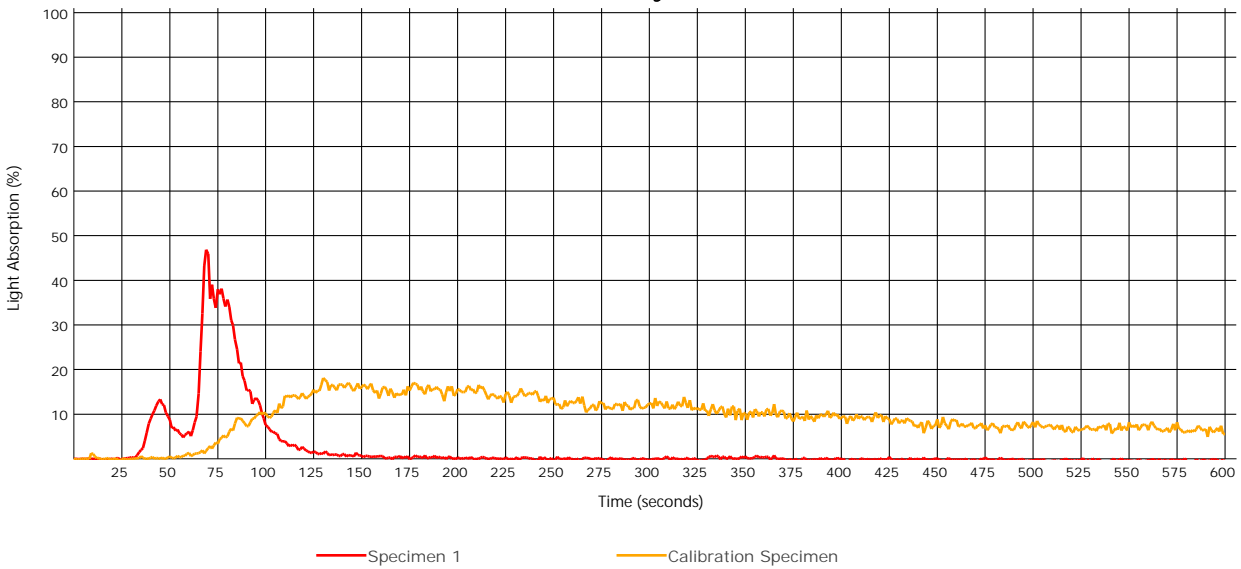


Test Method : CAN/ULC - S102
Test Report # : 3-61233-0-1

Flame Progression



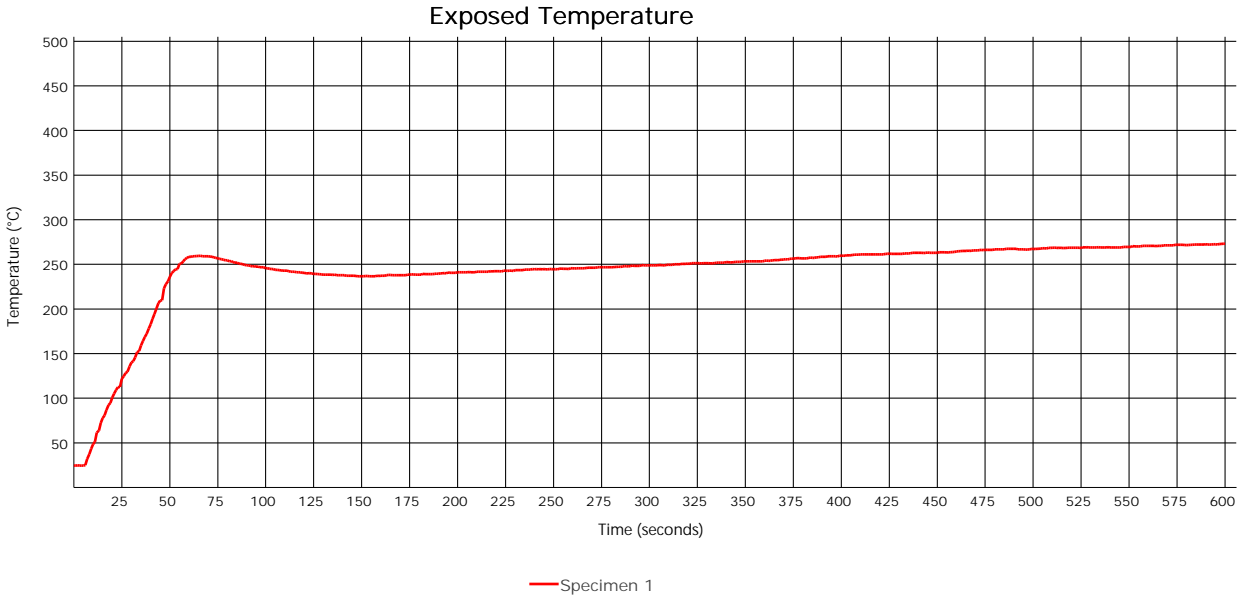
Smoke Density





Program: Steiner Tunnel (Version 1.1.0.0)

Test Method : CAN/ULC - S102
Test Report # : 3-61233-0-1





Tested For: Lone Henriksen Kvadrat A/S Lundbergsvej 10 DK-8400 Ebeltoft Denmark	Phone: 011 45 89 53 18 80 Fax: Mobile: PO#: Email: lh@kvadrat.dk	Received: 12/4/2025 Completed: 1/5/2026 Code: I1 Test Report: 3-61233-1
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Key Test: CAN/ULC-S102.2

2745

Client's Identification:

Lot No.: 8112. Style: Hero 2 / Hero Heather. Finish: None. Composition: 97% wool, 3% recycled nylon. Weight: App. 410 g/m².
Product End Use: Wall covering.

LE: 2018(R24) V 08/24 BG

PC: 23±3°C 50%±5% RH - ME

CODE: I=1375 F=2925 CLEAN=1000

TEST PERFORMED: CAN/ULC-S102.2-18 - Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Covering and Miscellaneous Materials

TEST CONDUCTED:

- Indicative
 Formal

PRODUCT CATEGORY: Composite Panel Material
 Textile Type Product
 Vinyl Type Product

BRIEF DESCRIPTION OF TEST METHOD: The method is designed to determine the relative burning characteristics of materials under specific test conditions. Results of less than three identical specimens are expressed in terms of Flame Spread Value (FSV) and Smoke Developed Value (SDV). Results of three or more replicate tests on identical specimens produce average values expressed as Flame Spread Rating (FSR) and Smoke Developed Classification (SDC).

SUMMARY OF TEST PROCEDURE: The tunnel is preheated to 85°C, as measured by the backwall-embedded thermocouple located 7090 mm downstream of the burner ports, and allowed to cool to 40°C, as measured by the backwall-embedded thermocouple located 4000 mm from the burners. At this time the tunnel lid is raised, and the test sample is placed along the floor of the tunnel so as to form a continuous surface and then the lid is lowered. Upon ignition of the gas burners, the flame spread distance is observed and recorded every second. Flame spread distance versus time is plotted, ignoring any flame front recessions. Calculations are based on comparison with flame spread characteristics of select red oak, determined in calibration trials and arbitrarily established as 100. If the area under the curve (AT) is less than or equal to 29.7 m²min, FSV=1.85·AT; if greater, FSV=1640/(59.4·AT). The Smoke Developed Value is determined by comparing the area under the obscuration curve for the test sample to that of inorganic reinforced cement board and red oak, established as 0 and 100, respectively.

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Tested For: Lone Henriksen Kvadrat A/S Lundbergsvej 10 DK-8400 Ebeltoft Denmark	Phone: 011 45 89 53 18 80 Fax: Mobile: PO#: Email: lh@kvadrat.dk	Received: 12/4/2025 Completed: 1/5/2026 Code: I1 Test Report: 3-61233-1
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Key Test: CAN/ULC-S102.2 2745

SAMPLE PREPARATION:

- The sample consisted of three sections of materials, each approximately 445 mm in width by 2438 mm in length butted together to form the requisite specimen length. The specimen was free laid (no adhesive) on top of a 6 mm fiberglass reinforced cement board substrate.
- Adhered to IRC: The test specimen was bonded to ¼” Inorganic Reinforced Cement (IRC) boards.
- Adhered to Gypsum: The test specimen was bonded to 5/8” thick Type X gypsum board.
- Other: _____

ADHESIVE (applied by SGS North America): No
 Yes - specify

REPORTED AS:

- INDICATIVE (Single Specimen Test):
Flame Spread Value (FSV):
Smoke Developed Value (SDV):
- FORMAL (Average Value of three replicate tests):
Flame Spread Rating (FSR): 165
Smoke Developed Classification: 65

RESULTS:

Specimen #	Flame Spread Value	Smoke Developed Value	Burn Distance (meters)	Time (seconds)
1	147.5	54.8	5.7	172
2	157.4	72.7	5.9	168
3	190.2	68.1	5.9	148

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Key Test: CAN/ULC-S102.2 2745

OBSERVATIONS:

1. No unusual observations.
2. No unusual observations.
3. No unusual observations.

REMARKS: None.

ACCEPTANCE CRITERIA: None cited.

CONCLUSION: Not applicable.

CERTIFICATION: I certify that the above results were obtained after testing specimens in accordance with the procedures and equipment specified above.

Signed by:

 1/9/2026
RC915566495A4BD

AUTHORIZED SIGNATURE
 SGS NORTH AMERICA
 /sj/jb

Enclosure: Graphs



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Program: Steiner Tunnel (Version 1.1.0.0)

Test Method : CAN/ULC - S102.2
 Report # : 3-61233-1-11
 Test Date : 1/5/2026
 Client : Kvadrat A/S
 Operator : Ashley Mattern
 Details of Preparation : The sample consisted of three sections of materials, each approximately 445 mm in width by 2438 mm in length butted together to form the requisite specimen length. The specimen was free laid (no adhesive) on top of a 6 mm fiberglass reinforced cement board substrate.
 Observations : No unusual observations.

	Specimen 1	Specimen 2	Specimen 3
Area Under Flame Curve (m min)	48.3	49.0	50.8
Flame Spread Value	147.5	157.4	190.2
Ignition Time (mm:ss)	00:27	00:34	00:27
Area Under Smoke Curve (%A min)	51.1	67.8	63.5
Smoke Developed Value	54.8	72.7	68.1
Total Gas Flow (L)	1596.2	1595.8	1596.1
Maximum Flame Front Achieved (m)	5.7 @ 172s	5.9 @ 168s	5.9 @ 148s

Flame Spread Rating : 165
Smoke Developed Classification : 65

CERTIFICATION : I certify that the above results were obtained after testing the specimens in accordance with the procedures and equipment specified by CAN/ULC - S102.2

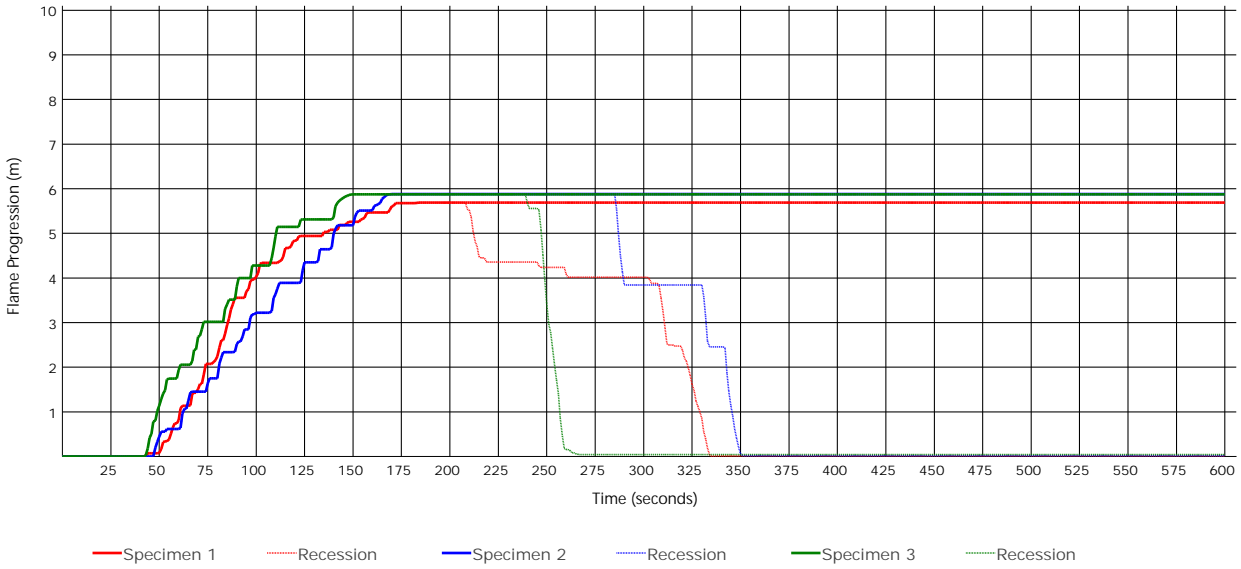
Ashley Mattern

AUTHORIZED SIGNATURE

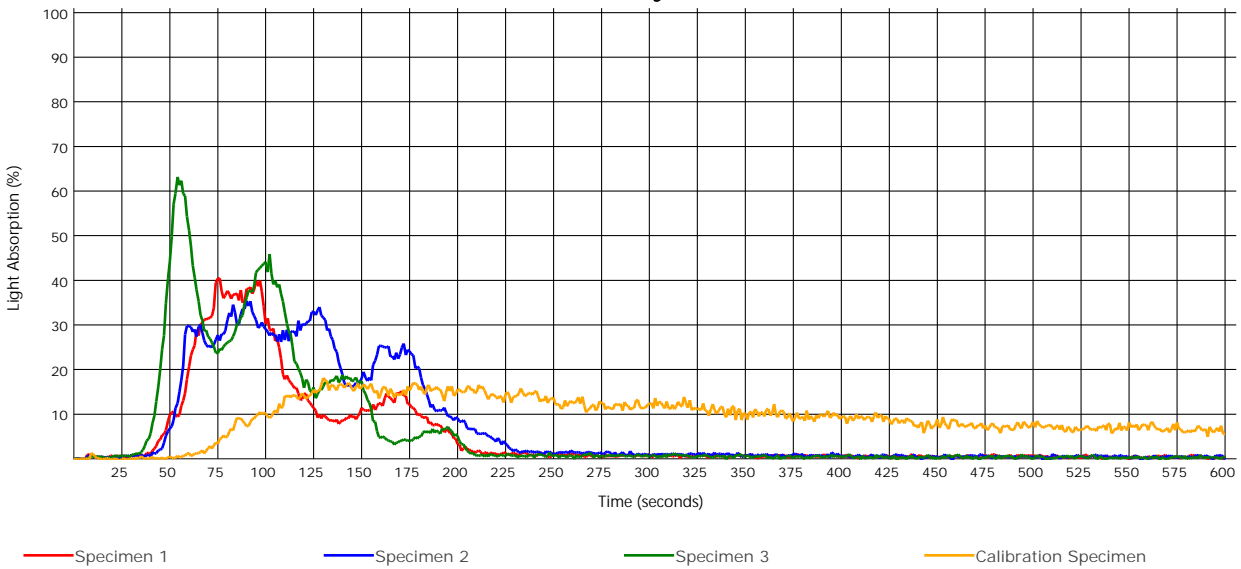


Test Method : CAN/ULC - S102.2
Test Report # : 3-61233-1-I1

Flame Progression



Smoke Density





Test Method : CAN/ULC - S102.2
Test Report # : 3-61233-1-I1

