



For the Account of: Mermet  
 5970 N Main St Cowpens SC 29330

Client's Identification: E SCREEN KOOLBLACK 0.5%

## CERTIFICATE OF TESTING

TEST PERFORMED: NFPA 701 Standard Methods of Fire Test for Flame Propagation of Textiles and Films 2023 – Test #1

### TEST RESULTS

Specimen	Mass Initial (g)	Mass Final (g)	Mass Loss (%)	Drip Burn (s)	Afterflame (s)
1	32.7	29.2	11	0.0	0.0
2	32.8	29.3	11	0.0	0.0
3	31.8	29.8	6	0.0	0.0
4	31.4	29.8	5	0.0	0.0
5	31.7	29.8	6	0.0	0.0
6	30.7	28.7	7	0.0	0.0
7	31.9	29.7	7	0.0	0.0
8	31.9	29.0	9	0.0	0.0
9	31.5	27.0	14	0.0	0.0
10	31.0	29.2	6	0.0	0.0
<b>Average</b>	<b>31.7</b>	<b>29.2</b>	<b>8</b>	<b>0.0</b>	<b>0.0</b>

Approximate weight (oz./sq. yd): 15.6

Standard Deviation: 2.9

Average + 3 SD: 16.7

Product Configuration:  Single Layer  Multi Layer

Conditioning:  Oven at 220°F for minimum 30 minutes

70 ±2°F & 65 ±2%RH for minimum 24 hours

Intended End-use (if known & other than drapery): Drapery

### ACCEPTANCE CRITERIA

Afterflame is required to be recorded; however, it is not factored into the Acceptance Criteria

- Where fragments or residues of specimens that fall to the floor of the test chamber continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens, the material shall be recorded as failing. (Flaming Drip)
- Where the average weight loss of the 10 specimens in a sample is greater than 40 percent, the material shall be recorded as failing.
- Individual specimens will be listed as a failure if it exceeds mean + 3 SD
- Where the specimens do not demonstrate performance in accordance with either of the conditions indicated above, the material shall be recorded as passing this test and shall be designated as flame resistant.

**CONCLUSION** Based on the above Results and Acceptance Criteria, the item tested:

- Complies  
 Does Not Comply

**CERTIFICATION** I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

*Berta Stiver*

Authorized Signature

Date Order Completed: 03/03/2025



For the Account of: Mermet  
5970 N Main St Cowpens SC 29330

Client's Identification: E SCREEN KOOLBLACK 1%

## CERTIFICATE OF TESTING

TEST PERFORMED: NFPA 701 Standard Methods of Fire Test for Flame Propagation of Textiles and Films 2023 – Test #1

### TEST RESULTS

Specimen	Mass Initial (g)	Mass Final (g)	Mass Loss (%)	Drip Burn (s)	Afterflame (s)
1	28.5	22.6	21	0.0	0.0
2	28.7	23.9	17	0.0	0.0
3	29.1	24.0	18	0.0	0.0
4	29.5	22.7	23	0.0	0.0
5	29.2	23.7	19	0.0	0.0
6	29.3	23.4	20	0.0	0.0
7	29.0	23.0	21	0.0	0.0
8	29.3	23.4	20	0.0	0.0
9	29.4	23.9	19	0.0	0.0
10	29.4	23.8	19	0.0	0.0
Average	29.1	23.4	20	0.0	0.0

Approximate weight (oz./sq. yd): 14.3

Standard Deviation: 1.7

Average + 3 SD: 25.1

Product Configuration:  Single Layer  Multi Layer

Conditioning:  Oven at 220°F for minimum 30 minutes

70 ±2°F & 65 ±2%RH for minimum 24 hours

Intended End-use (if known & other than drapery): Drapery

### ACCEPTANCE CRITERIA

Afterflame is required to be recorded; however, it is not factored into the Acceptance Criteria

- Where fragments or residues of specimens that fall to the floor of the test chamber continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens, the material shall be recorded as failing. (Flaming Drip)
- Where the average weight loss of the 10 specimens in a sample is greater than 40 percent, the material shall be recorded as failing.
- Individual specimens will be listed as a failure if it exceeds mean + 3 SD
- Where the specimens do not demonstrate performance in accordance with either of the conditions indicated above, the material shall be recorded as passing this test and shall be designated as flame resistant.

CONCLUSION Based on the above Results and Acceptance Criteria, the item tested:

- Complies  
 Does Not Comply

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

Berta Stiver

Authorized Signature

Date Order Completed: 03/03/2025



For the Account of: Mermet  
5970 N Main St Cowpens SC 29330

Client's Identification: E SCREEN KOOLBLACK 3%

## CERTIFICATE OF TESTING

TEST PERFORMED: NFPA 701 Standard Methods of Fire Test for Flame Propagation of Textiles and Films 2023 – Test #1

### TEST RESULTS

Specimen	Mass Initial (g)	Mass Final (g)	Mass Loss (%)	Drip Burn (s)	Afterflame (s)
1	26.6	21.6	19	0.0	0.0
2	24.5	22.2	9	0.0	0.0
3	26.0	23.1	11	0.0	0.0
4	26.6	23.0	14	0.0	0.0
5	25.8	22.0	15	0.0	0.0
6	26.1	22.1	15	0.0	0.0
7	26.2	22.4	15	0.0	0.0
8	26.2	22.0	16	0.0	0.0
9	25.9	22.9	12	0.0	0.0
10	26.4	22.0	17	0.0	0.0
Average	26.0	22.3	14	0.0	0.0

Approximate weight (oz./sq. yd): 12.8

Standard Deviation: 2.9

Average + 3 SD: 22.7

Product Configuration:  Single Layer  Multi Layer

Conditioning:  Oven at 220°F for minimum 30 minutes

70 ±2°F & 65 ±2%RH for minimum 24 hours

Intended End-use (if known & other than drapery): Drapery

### ACCEPTANCE CRITERIA

Afterflame is required to be recorded; however, it is not factored into the Acceptance Criteria

- Where fragments or residues of specimens that fall to the floor of the test chamber continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens, the material shall be recorded as failing. (Flaming Drip)
- Where the average weight loss of the 10 specimens in a sample is greater than 40 percent, the material shall be recorded as failing.
- Individual specimens will be listed as a failure if it exceeds mean + 3 SD
- Where the specimens do not demonstrate performance in accordance with either of the conditions indicated above, the material shall be recorded as passing this test and shall be designated as flame resistant.

CONCLUSION Based on the above Results and Acceptance Criteria, the item tested:

- Complies  
 Does Not Comply

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

Berta Stiver

Authorized Signature

Date Order Completed: 03/03/2025



For the Account of: Mermet  
5970 N Main St Cowpens SC 29330

Client's Identification: E SCREEN KOOLBLACK 5%

## CERTIFICATE OF TESTING

TEST PERFORMED: NFPA 701 Standard Methods of Fire Test for Flame Propagation of Textiles and Films 2023 – Test #1

### TEST RESULTS

Specimen	Mass Initial (g)	Mass Final (g)	Mass Loss (%)	Drip Burn (s)	Afterflame (s)
1	23.9	19.9	17	0.0	0.0
2	24.6	19.8	20	0.0	0.0
3	23.9	19.9	17	0.0	0.0
4	25.2	20.2	20	0.0	0.0
5	24.7	19.8	20	0.0	0.0
6	24.7	20.3	18	0.0	0.0
7	24.2	20.2	17	0.0	0.0
8	23.7	20.0	16	0.0	0.0
9	24.4	21.0	14	0.0	0.0
10	24.6	21.0	15	0.0	0.0
Average	24.4	20.2	17	0.0	0.0

Approximate weight (oz./sq. yd): 12.0

Standard Deviation: 2.1

Average + 3 SD: 23.3

Product Configuration:  Single Layer  Multi Layer

Conditioning:  Oven at 220°F for minimum 30 minutes

70 ±2°F & 65 ±2%RH for minimum 24 hours

Intended End-use (if known & other than drapery): Drapery

### ACCEPTANCE CRITERIA

Afterflame is required to be recorded; however, it is not factored into the Acceptance Criteria

- Where fragments or residues of specimens that fall to the floor of the test chamber continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens, the material shall be recorded as failing. (Flaming Drip)
- Where the average weight loss of the 10 specimens in a sample is greater than 40 percent, the material shall be recorded as failing.
- Individual specimens will be listed as a failure if it exceeds mean + 3 SD
- Where the specimens do not demonstrate performance in accordance with either of the conditions indicated above, the material shall be recorded as passing this test and shall be designated as flame resistant.

CONCLUSION Based on the above Results and Acceptance Criteria, the item tested:

- Complies  
 Does Not Comply

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

Berta Stiver

Authorized Signature

Date Order Completed: 03/03/2025



For the Account of: Mermet  
5970 N Main St Cowpens SC 29330

Client's Identification: E SCREEN KOOLBLACK 10%

## CERTIFICATE OF TESTING

TEST PERFORMED: NFPA 701 Standard Methods of Fire Test for Flame Propagation of Textiles and Films 2023 – Test #1

### TEST RESULTS

Specimen	Mass Initial (g)	Mass Final (g)	Mass Loss (%)	Drip Burn (s)	Afterflame (s)
1	23.5	21.8	7	0.0	0.0
2	23.4	21.6	8	0.0	0.0
3	23.0	20.9	9	0.0	0.0
4	22.9	21.3	7	0.0	0.0
5	23.3	21.7	7	0.0	0.0
6	23.5	20.9	11	0.0	0.0
7	22.9	21.5	6	0.0	0.0
8	22.9	21.5	6	0.0	0.0
9	23.2	21.5	7	0.0	0.0
10	23.2	21.0	9	0.0	0.0
Average	23.2	21.4	8	0.0	0.0

Approximate weight (oz./sq. yd): 11.4

Standard Deviation: 1.6

Average + 3 SD: 12.8

Product Configuration:  Single Layer  Multi Layer

Conditioning:  Oven at 220°F for minimum 30 minutes

70 ±2°F & 65 ±2%RH for minimum 24 hours

Intended End-use (if known & other than drapery): Drapery

### ACCEPTANCE CRITERIA

Afterflame is required to be recorded; however, it is not factored into the Acceptance Criteria

- Where fragments or residues of specimens that fall to the floor of the test chamber continue to burn for more than an average of 2 seconds per specimen for the sample of 10 specimens, the material shall be recorded as failing. (Flaming Drip)
- Where the average weight loss of the 10 specimens in a sample is greater than 40 percent, the material shall be recorded as failing.
- Individual specimens will be listed as a failure if it exceeds mean + 3 SD
- Where the specimens do not demonstrate performance in accordance with either of the conditions indicated above, the material shall be recorded as passing this test and shall be designated as flame resistant.

CONCLUSION Based on the above Results and Acceptance Criteria, the item tested:

- Complies  
 Does Not Comply

CERTIFICATION I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

*Berta Stiver*

Authorized Signature

Date Order Completed: 03/03/2025