



GOVMARK

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Received:08/12/2020 Completed:08/27/2020 Letter: C JG P.O.#: RM0152176 Test Report #: 3-39876-0-

Client's Identification Style: Tuflex Spartus Multipurpose Sports Flooring. Composition: Vulcanized Rubber. Thickness: 9 mm. Product End Use: Flooring. Additional Information: U-705 Urethane wet-set adhesive.

Tested For: Jacob Gentillon Key Test: ISO 9239-1 1095
Roppe Corporation
1602 N. Union Street Tel: 1-(419)-435-8546 Ext: 5115
Fostoria, OH 44830 Fax: 1-()- -

LE: 2010; V 02/19 PC: EN 13238 /dl

APPROXIMATE THICKNESS OF MATERIAL (as measured by SGS North America): 0.374"

TEST PERFORMED: ISO 9239 - Reaction to fire tests for floorings; Part 1:
Determination of the burning behaviour using a radiant heat source
(ISO 9239-1)

SPECIMEN PREPARATION:

- Each specimen was laid flat over a 1/4" Etera board (a cement asbestos substitute). No bonding agent was used.
- Each specimen was bonded to a 1/4" Etera board (a cement asbestos substitute) using _____.
- Each specimen, with self adhesive backing, was bonded to a 1/4" Etera board (a cement asbestos substitute)
- Each specimen was placed over a rubber coated jute and animal hair 50 oz/yd² cushioning material
- Other : see client's Identification section above

RESULTS:

Specimen #	Furthest Progression of Flame Front		CHF Critical Heat Flux (kW/m ²)	SMOKE	
	(inches)	(mm)		Maximum Attenuation (%)	Integrated Smoke Value (% min)
1	18.9	480	4.0	99.03	2095.6
2	20.1	510	3.6	99.00	2266.7
3	20.1	510	3.6	99.32	2174.5
			Avg:	3.8	

CHF = Critical Heat Flux at Extinguishment

Received:08/12/2020	Completed:08/27/2020	Letter: C	JG	P.O.#: RM0152176	Test Report #:	3-39876-0-
Client's Identification	Style: Tuflex Spartus Multipurpose Sports Flooring. Composition: Vulcanized Rubber. Thickness: 9 mm. Product End Use: Flooring. Additional Information: U-705 Urethane wet-set adhesive.					
Tested For: Jacob Gentillon Roppe Corporation 1602 N. Union Street Fostoria, OH 44830	Key Test: ISO 9239-1				1095	
	Tel: 1-(419)-435-8546				Ext: 5115	
	Fax: 1-()- -					

ACCEPTANCE CRITERIA: None cited.

CONCLUSION: Not Applicable

REMARKS: None.

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

 AUTHORIZED SIGNATURE
 SGS North America
 /jab DV

Bobby Brown

Enclosure(s): 1 Page - Heat Flux at X min (HF-X) with Burn Distance Times

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Test : ISO 9239-1
 Client : Roppe Corporation
 Test Report : 3-39876-0-C
 Test Date : 08/27/20

Transducer Serial Number : 184111
 Transducer Calibration Date : 08/04/20
 Test Operator : Jillian Guillem

Material Description

Style: Tuflex Spartus Multipurpose Sports Flooring

Observations

None.

Results

Specimen	Test Time (mm:ss)	Distance Burned (mm)	HF10 (kW/m ²)	HF20 (kW/m ²)	HF30 (kW/m ²)	CHF (kW/m ²)
1	30:00	480	7.8	5.2	4.0	4.0
2	30:00	510	7.8	4.8	3.6	3.6
3	30:00	510	7.6	4.8	3.6	3.6
Average			7.8	5.0	3.8	3.8

Burn Distance (mm)	Time (mm:ss)					
	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5	Specimen 6
50	02:46	02:55	02:51			
100	04:11	04:04	04:18			
150	05:21	05:03	04:53			
200	06:24	06:06	05:51			
250	07:53	07:37	07:20			
300	09:58	09:54	09:24			
350	12:51	12:31	12:08			
400	16:51	16:38	16:08			
450	24:37	22:02	21:08			
500		27:43	27:13			
550						
600						
650						
700						
750						
800						
850						
900						

** The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

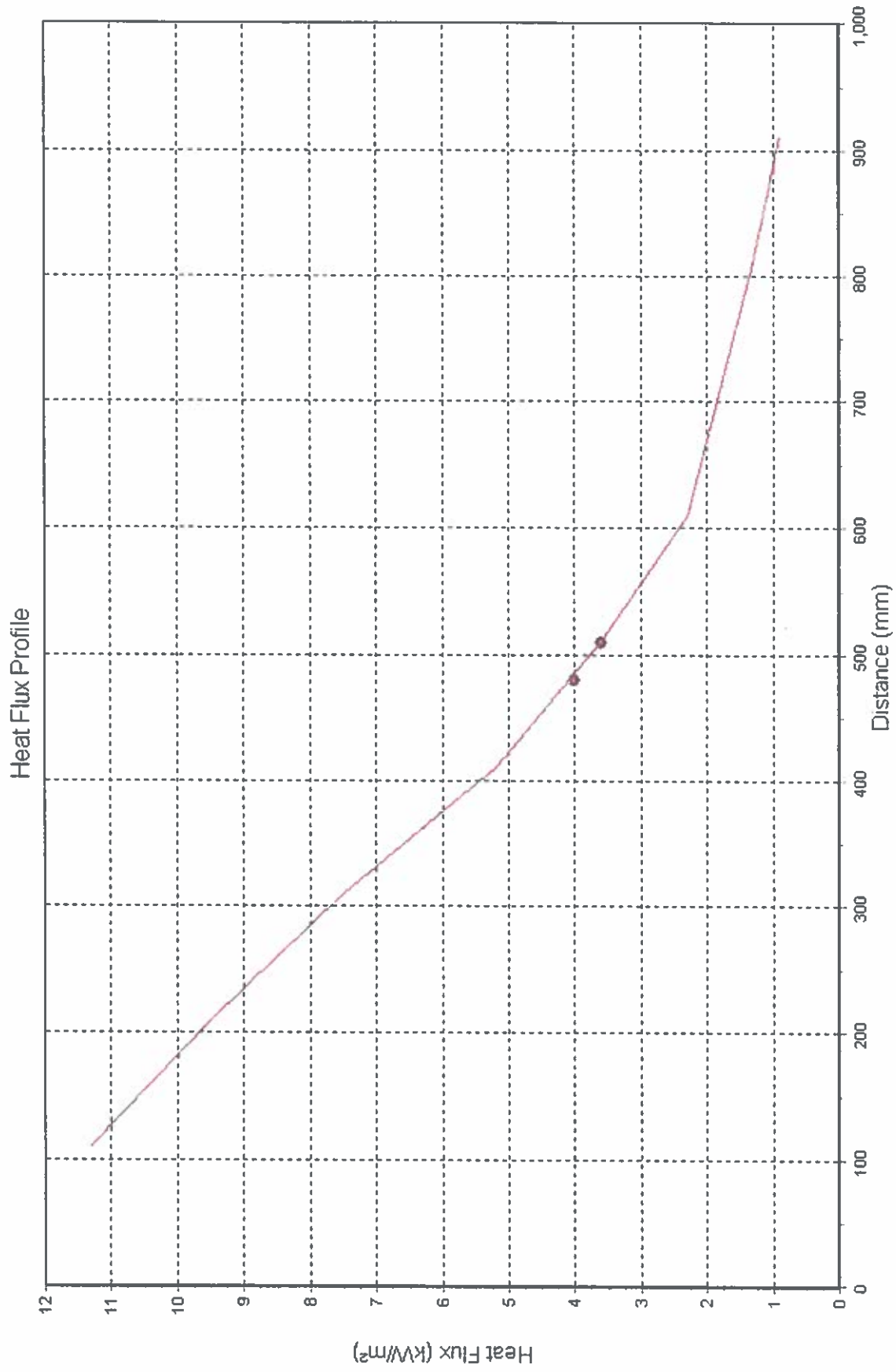
Test : ISO 9239-1
Test Report : 3-39876-0-C

Smoke Results

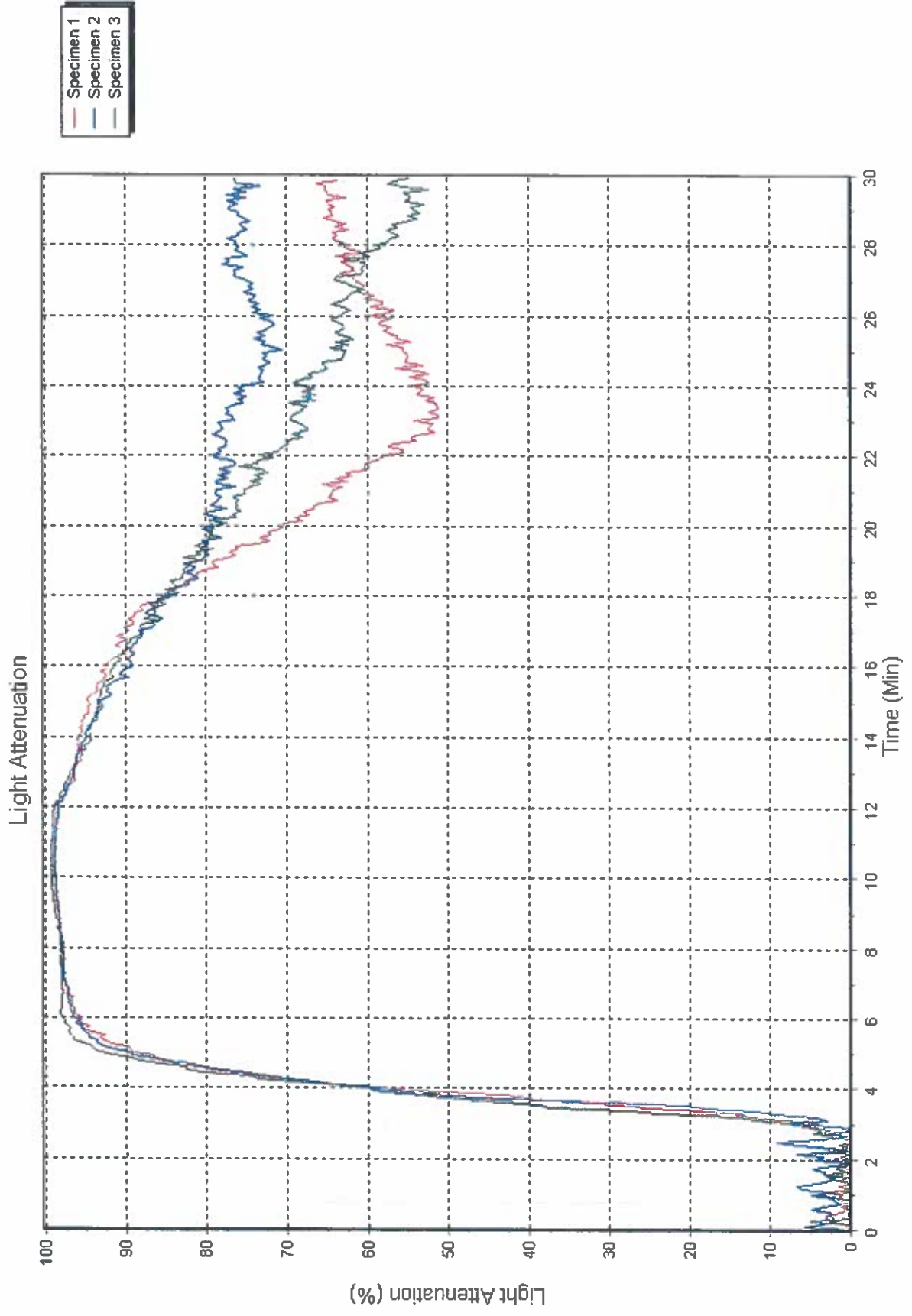
Specimen	Maximum Attenuation (%)	Integrated Smoke Value (% min)
1	99.03	2095.6
2	99.00	2266.7
3	99.32	2174.5

ISO 9239-1 Heat Flux Profile

Report Number : 3-39876-0-C
Client : Roppe Corporation



Report Number : 3-39876-0-C
Client : Roppe Corporation





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Received:08/12/2020	Completed:08/27/2020	Letter: CI	JG	P.O.#: RM0152176	Test Report #:	3-39876-1-
Client's Identification	Style: Tuflex Spartus Multipurpose Sports Flooring. Composition: Vulcanized Rubber. Thickness: 9 mm. Product End Use: Flooring. Additional Information: U-705 Urethane wet-set adhesive					
Tested For: Jacob Gentillon Roppe Corporation 1602 N. Union Street Fostoria, OH 44830	Key Test: ISO 9239-2 (25 kW/m ²)				845	
	Tel: 1-(419)-435-8546				Ext: 5115	
	Fax: 1-()- -					

PC: ISO/TR 14697 /d1

APPROXIMATE THICKNESS OF MATERIAL (as measured by SGS North America): 0.374"

TEST PERFORMED: ISO 9239 - Reaction to fire tests for floorings; Part 2:
Determination of flame spread at a heat flux level of 25 kW/m²
(ISO 9239-2)

SPECIMEN PREPARATION:

- Each specimen was laid flat over a 1/4" Etera board (a cement asbestos substitute). No bonding agent was used.
- Each specimen was bonded to a 1/4" Etera board (a cement asbestos substitute) using _____.
- Each specimen, with self adhesive backing, was bonded to a 1/4" Etera board (a cement asbestos substitute)
- Each specimen was placed over a rubber coated jute and animal hair 50 oz/yd² cushioning material
- Other : see client's Identification section above

RESULTS:

Specimen #	Furthest Progression of Flame Front		CHF Critical Heat Flux (kW/m ²)
	(inches)	(mm)	
1	26.4	670	4.6
2	28.0	710	3.8
3	26.8	680	4.4
Avg:			4.2

CHF = Critical Heat Flux at Extinguishment

Received:08/12/2020	Completed:08/27/2020	Letter: C1	JG	P.O.#: RM0152176	Test Report #:	3-39876-1-
Client's Identification	Style: Tuflex Spartus Multipurpose Sports Flooring. Composition: Vulcanized Rubber. Thickness: 9 mm. Product End Use: Flooring. Additional Information: U-705 Urethane wet-set adhesive					
Tested For: Jacob Gentillon Roppe Corporation 1602 N. Union Street Fostoria, OH 44830	Key Test: ISO 9239-2 (25 kW/m ²)				845	
	Tel: 1-(419)-435-8546				Ext: 5115	
	Fax: 1-()- -					

ACCEPTANCE CRITERIA: None cited.

CONCLUSION: Not Applicable

REMARKS: None.

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

 AUTHORIZED SIGNATURE
 SGS North America
 /jab DV

AUG 28 2020

Enclosure(s): 1 Page - Heat Flux at X min (HF-X) with Burn Distance Times

Bobby Brown

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Test : ISO 9239-2
 Client : Roppe Corporation
 Test Report : 3-39876-1-C1
 Test Date : 08/27/20

Transducer Serial Number : 184111
 Transducer Calibration Date : 08/03/20
 Test Operator : Jillian Guillem

Material Description

Style: Tufflex Spartus Multipurpose Sports Flooring

Observations

None.

Results

Specimen	Test Time (mm:ss)	Distance Burned (mm)	HF10 (kW/m ²)	HF20 (kW/m ²)	HF30 (kW/m ²)	CHF (kW/m ²)
1	30:00	670	8.0	5.4	4.6	4.6
2	30:00	710	7.8	5.0	3.8	3.8
3	30:00	680	7.6	4.8	4.4	4.4
Average			7.8	5.0	4.2	4.2

Burn Distance (mm)	Time (mm:ss)					
	Specimen 1	Specimen 2	Specimen 3	Specimen 4	Specimen 5	Specimen 6
50	00:43	00:49	00:46			
100	01:20	01:18	01:23			
150	01:41	01:41	01:40			
200	01:59	01:56	01:53			
250	02:29	02:11	02:10			
300	02:44	02:32	02:33			
350	03:33	03:10	03:11			
400	04:48	04:16	04:22			
450	06:44	06:00	05:03			
500	09:07	08:43	07:52			
550	12:29	11:16	10:46			
600	16:52	15:33	14:38			
650	22:49	20:51	19:51			
700		26:54				
750						
800						
850						
900						

** The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

ISO 9239-2 Heat Flux Profile

Report Number : 3-39876-1-C1

Client : Roppe Corporation

