

Report No. : MAN:HL:1548001110

ISSUE DATE: 21-Mar-2024

FLORIM GLOBAL PVT. LTD. THE SPIRE, OFFICE NO. 809, 150 FT, RING ROAD, NEAR BRTS BUS STOP, RAJKOT, GUJARAT- 360004

INDIA CONTACT PERSON: HARSHIL SANTOKI

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED AND IDENTIFIED BY/ON BEHALF OF THE CUSTOMER AS : SPC CLICK LOCK VINYL FLOORING SAMPLE DESCRIPTION COLOUR OAK AND GREY NATURAL WOOD STYLE NO. RANDOM WOOD GRAIN EMBOSSED SPC FLOORING

LAB PROVIDED DETAILS: CONDITION OF SAMPLE COMPLETE AND OK THE LOCATION OF PERFORMANCE OF THE LABORATORY ACTIVITIES: SGS CHINA LABORATORY SAMPLE RECD ON 08-Feb-2024 TESTING PERIOD : 16-Feb-2024 - 21-Mar-2024

SUMMARY OF TEST RESULTS:

TESTS	PASS	FAIL	REMARKS
THERMAL CONDUCTIVITY AND THERMAL RESISTANCE			SEE RESULT
FIRE CLASSIFICATION FOR BURNING BEHAVIOR OF FLOORING MATERIAL			SEE RESULT
FORMALDEHYDE EMISSION			SEE RESULT
Remarks: P=Pass			

Remarks:

F=Fail

TEST(S) RESULT & METHOD: PLEASE REFER TO NEXT PAGE(S). RESULTS APPLY TO THE SAMPLE AS RECEIVED

Per Pro SGS India Pvt. Ltd.

SANDIP BHUSHAN **TECHNICAL MANAGER** Authorized Signatory-Mechanical Email your Test Report Related Enquiries at Feedback.HLT@sgs.com

JOE No. : 2448800583

customer

400191718

Page 1 of 9

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The laboratory shall be responsible for all the information provided in the report, except when information and instruction for specific scope of testing is provided by the customer. "Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. No decision rule is applied, when comparing the measurement result (s) with the applicable limit(s) according to the specification in the respective standard or as shared by the

Connectivity and product, Testing Laboratory, Plot no. 21, Sector 3, IMT Manesar, Gurugram District, Haryana- 122050 (India) t: (+91-124 678 7600

SGS India Pvt. Ltd

ber of the SGS Group (SGS SA)



Report No. : MAN:HL:1548001110

ISSUE DATE: 21-Mar-2024

NON ACCREDITED TEST(S)

TEST RESULT:-

Summary of Results:

No.	Test Item	Test Method	Result
1	Thermal Conductivity and Thermal Resistance	EN 12664:2001 Heat Flow Meter Method	See Result
2	Fire Classification for Burning Behavior of Flooring Material	EN 13501-1:2018 & EN ISO 9239-1:2010 & EN ISO 11925- 2:2020	B _{fl} −s1

Note: The above test project/method was carried out by subcontractors. Original Sample Photo(s):



JOE No. : 2448800583

customer

400191718

Page 2 of 9

Control No.: 1548001737

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The laboratory shall be responsible for all the information provided in the report, except when information and instruction for specific scope of testing is provided by the customer. "Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. No decision rule is applied, when comparing the measurement result (s) with the applicable limit(s) according to the specification in the respective standard or as shared by the

Connectivity and product, Testing Laboratory, Plot no. 21, Sector 3, IMT Manesar, Gurugram District, Haryana- 122050 (India) t: (+91-124 678 7600

SGS India Pvt. Ltd

Member of the SGS Group (SGS SA)



ISSUE DATE: 21-Mar-2024

Report No. : MAN:HL:1548001110

NON ACCREDITED TEST(S)

1. Test Item: Thermal Conductivity and Thermal Resistance

Test Method: EN 12664:2001 Heat Flow Meter Method

Test Condition:

Specimen: 300mm×299mm×5.0mm, 1pc

Density: about 1639kg/m³

Mean temperature: 23°C

Temperature difference: 10°C

Lab Environmental Condition: (23±2)°C, (50±5)%RH Test Result:

Test Item	Test Result
Thermal Conductivity	0.107 W/(m·K)
Thermal Resistance	0.047 (m ² ·K)/W

Note:

- 1. The test result can not be compared with other results obtained from different test conditions, and should not be cited to the use condition directly.
- 2. Test specimen was jointed by two pieces.

Specimen Photo(s):



JOE No. : 2448800583

customer

400191718

Page 3 of 9

Control No.: 1548001737

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The laboratory shall be responsible for all the information provided in the report, except when information and instruction for specific scope of testing is provided by the customer. "Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. No decision rule is applied, when comparing the measurement result (s) with the applicable limit(s) according to the specification in the respective standard or as shared by the

Connectivity and product, Testing Laboratory, Plot no. 21, Sector 3, IMT Manesar, Gurugram District, Haryana- 122050 (India) t: (+91-124 678 7600

Member of the SGS Group (SGS SA)



Report No. : MAN:HL:1548001110

ISSUE DATE: 21-Mar-2024

NON ACCREDITED TEST(S)

2. Test item: Fire Classification for Burning Behavior of Flooring Material

Test Method: EN 13501-1:2018 & EN ISO 9239-1:2010 & EN ISO 11925-2:2020

Test Result:

I. EN ISO 9239-1:2010 Reaction to fire tests for floorings-Part 1: Determination of the burning behaviour using a radiant heat source

Specimen: 1050mm × 230mm × 5.0 mm (make up of 2 pieces sample) Flame application time: 10min

Mounting and fixing: Calcium silicate board, with its density about 1016kg/m³, thickness about 21.4mm, is as the substrate. The specimens were fixed mechanically to the substrate.

Specimen	Furthest extent of	Critical heat flux	Integrated smoke
No.	spread of flame, mm	(CHF), kW/m ²	value, %·min
1	50	≥11	185.3
2	40	≥11	174.1
3	50	≥11	180.6
Average	47	≥11	180.0

Note:

1. Test specimens were cut from the sample.

2. Specimens that do not ignite or which spread flame less than 110 mm have a critical heat flux \geq 11kW/m².

3. Observations of the burning characteristics: Charring.

4. The texture surface was faced to the flame.

JOE No. : 2448800583

customer

400191718

Page 4 of 9

Control No.: 1548001737

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The laboratory shall be responsible for all the information provided in the report, except when information and instruction for specific scope of testing is provided by the customer. "Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. No decision rule is applied, when comparing the measurement result (s) with the applicable limit(s) according to the specification in the respective standard or as shared by the

Connectivity and product, Testing Laboratory, Plot no. 21, Sector 3, IMT Manesar, Gurugram District, Haryana- 122050 (India) t: (+91-124 678 7600

SGS India Pvt. Ltd

Member of the SGS Group (SGS SA)



ISSUE DATE: 21-Mar-2024

Report No. : MAN:HL:1548001110

NON ACCREDITED TEST(S)

I. EN ISO 11925-2:2020 Reaction to fire tests-Ignitability of products subjected to direct impingement of flame-Part 2: Single-flame source test.

Specimen: 250mm × 90mm × 5.0 mm

Flame application time: 15s

Exposure conditions	ons Edge exposure		Surface exposure			
Specimen No.	1	2	3	1	2	3
Whether ignition occurs	No	No	No	No	No	No
Whether the flame tip reaches 150 mm above the flame application point within 20s	No	No	No	No	No	No
Whether ignition of the filter paper occurs	No	No	No	No	No	No

Note:

1. Test specimens were cut from the sample.

2. Observations of the burning characteristics: Charring.

3. The texture surface was faced to the flame.

4. Result: According to the test result and classification criteria (See table 1), the submitted sample satisfies Class $B_{\rm fl}$

Reaction to fire classification: B_{fl} – s1 Client's Requirement:

400191718

 $B_{\rm fl}$ —s1 Conclusion: Pass

JOE No. : 2448800583

customer

Page 5 of 9

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The laboratory shall be responsible for all the information provided in the report, except when information and instruction for specific scope of testing is provided by the customer. "Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. No decision rule is applied, when comparing the measurement result (s) with the applicable limit(s) according to the specification in the respective standard or as shared by the

Connectivity and product, Testing Laboratory, Plot no. 21, Sector 3, IMT Manesar, Gurugram District, Haryana- 122050 (India) t: (+91-124 678 7600

SGS India Pvt. Ltd

Member of the SGS Group (SGS SA)



ISSUE DATE: 21-Mar-2024

Report No. : MAN:HL:1548001110

NON ACCREDITED TEST(S)

Statement: The test results relate to the behavior 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.

Class	Test method(s)	Classification criteria	Additional classification
A1 _{fl}	EN ISO 1182 ^a	ΔT ≤ 30 °C; and	
	and	Δm ≤ 50 %; and	-
		t _f = 0 (i.e. no sustained flaming)	
	EN ISO 1716	PCS ≤ 2,0 MJ/kg ^a and	
		PCS \leq 2,0 MJ/kg ^b and	
		PCS ≤ 1,4 MJ/m ² ^c and	-
		PCS ≤ 2,0 MJ/kg ^d	
A2 fl	EN ISO 1182 ^a	$\Delta T \le 50 \text{ °C and}$	
	or	Δm ≤ 50 % and	-
		t _f ≤ 20 s	
	EN ISO 1716	PCS ≤ 3,0 MJ/kg ^a and	
	and	PCS ≤ 4,0 MJ/m ^{2 b} and	
		PCS ≤ 4,0 MJ/m ^{2 c} and	-
		PCS ≤ 3,0 MJ/kg ^d	
	EN ISO 9239-1 ^e	Critical flux [†] ≥ 8,0 kW/m ²	Smoke production ^g
Bfl	EN ISO 9239-1 ^e	Critical flux [†] ≥ 8,0 kW/m ²	
	and		Smoke production 9
	EN ISO 11925-2 ^h :	Fs ≤ 150 mm within 20 s	
	Exposure = 15 s		-

JOE No. : 2448800583

customer

400191718

Page 6 of 9

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The laboratory shall be responsible for all the information provided in the report, except when information and instruction for specific scope of testing is provided by the customer. "Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. No decision rule is applied, when comparing the measurement result (s) with the applicable limit(s) according to the specification in the respective standard or as shared by the

Connectivity and product, Testing Laboratory, Plot no. 21, Sector 3, IMT Manesar, Gurugram District, Haryana- 122050 (India) t: (+91-124 678 7600

SGS India Pvt. Ltd

Member of the SGS Group (SGS SA)



ISSUE DATE: 21-Mar-2024

Report No. : MAN:HL:1548001110

NON ACCREDITED TEST(S)

	Class	Test method(s)	Classification criteria	Additional classification		
	Cfl	EN ISO 9239-1 ^e	Critical flux $^{\dagger} \ge 4,5 \text{ kW/m}^2$			
		And				
				Smoke production ^g		
		EN ISO 11925-2 ^h :	<i>F</i> s ≤ 150 mm within 20 s			
		Exposure = 15 s				
		EN ISO 9239-1 ^e	Critical flux [†] ≥ 3.0 kW/m ²			
		and		Smalke preduction (
	Dfl	EN ISO 11925-2 ^h :	<i>F</i> s ≤ 150 mm within 20 s	Smoke production 9		
		Exposure = 15 s				
	_	EN ISO 11925-2 ^h :	<i>F</i> s ≤ 150 mm within 20 s			
	Efl	Exposure = 15 s		-		
	_	EN ISO 11925-2 ^h :	<i>F</i> s >150 mm within 20 s			
	⊢fl	Exposure = 15 s		-		
^a For homogeneous products and substantial components of non-				eneous products.		
	^b For any external non-substantial component of non-homogeneous products.					
	^C For any internal non-substantial component of non-homogeneous products.					
^d For the product as a whole.						
f Critical flux is defined as the radiant flux at which the flame extinguishes or the radiant flux after a t						
	period	d of 30 min, whichever is the	lower (i.e. the flux corresponding with	the furthest extent of spread of		
	flame).				

 $g s1 = Smoke \le 750 \%$ minutes; s2

= not s1.

^h Under conditions of surface flame attack and, if appropriate to the end use application of the product, edge flame attack

Note :

- Test has been sub-contracted to ISO/IEC 17025 accredited laboratory.

- Above all testing has been performed as per customer request.

JOE No.: 2448800583 400191718 Page 7 of 9 Control No.: 1548001737 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms_and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm, Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The laboratory shall be responsible for all the information provided in the report, except when information and instruction for specific scope of testing is provided by the customer. "Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. No decision rule is applied, when comparing the measurement result (s) with the applicable limit(s) according to the specification in the respective standard or as shared by the customer.

Connectivity and product, Testing Laboratory, Plot no. 21, Sector 3, IMT Manesar, Gurugram District, Haryana- 122050 (India) t: (+91-124 678 7600

SGS India Pvt. Ltd

Member of the SGS Group (SGS SA)



ISSUE DATE: 21-Mar-2024

Report No. : MAN:HL:1548001110

Test Photo:



JOE No. : 2448800583

customer

400191718

Page 8 of 9

Control No.: 1548001737

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The laboratory shall be responsible for all the information provided in the report, except when information and instruction for specific scope of testing is provided by the customer. "Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. No decision rule is applied, when comparing the measurement result (s) with the applicable limit(s) according to the specification in the respective standard or as shared by the

Connectivity and product, Testing Laboratory, Plot no. 21, Sector 3, IMT Manesar, Gurugram District, Haryana- 122050 (India) t: (+91-124 678 7600

SGS India Pvt. Ltd

ber of the SGS Group (SGS SA)



Report No. : MAN:HL:1548001110

ISSUE DATE: 21-Mar-2024

NON ACCREDITED TEST(S)

FORMALDEHYDE EMISSION:-

Test Method: With reference to EN 717-1:2004, analysis was performed by UV-Vis.

Test Item(s)	Unit(s)	MDL	Result
Formaldehyde	mg/m³	0.050	ND

Notes:

- (1) Reference Limit: EN13986:2004(E)
- (2) Formaldehyde class E1: ≤0.124 mg/m³ air

Formaldehyde class E2: >0.124 mg/m³ air

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019. Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated
- (5) The above test project/method was carried out by subcontractors.



*****END OF REPORT*****

JOE No. : 2448800583

customer

400191718

Page 9 of 9

Control No.: 1548001737

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/terms and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at www.sgs.com/terms_e-document.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The laboratory shall be responsible for all the information provided in the report, except when information and instruction for specific scope of testing is provided by the customer. "Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. No decision rule is applied, when comparing the measurement result (s) with the applicable limit(s) according to the specification in the respective standard or as shared by the

Connectivity and product, Testing Laboratory, Plot no. 21, Sector 3, IMT Manesar, Gurugram District, Haryana- 122050 (India) t: (+91-124 678 7600

SGS India Pvt. Ltd

Member of the SGS Group (SGS SA)