

**Test Report Issue To:**  
Greenlam Industries Limited  
Vill-Paterh Bhonku, P.O.-Panjehra, Tehsil-Nalagarh,  
Distt- Solan (HP). Nalagarh-174101

**Test Report No :** I221007001-2

**Date of Issue:** 10/11/2022



**Sample Booking/Receipt :** 07/10/2022

**Date of Start of Testing:** 17/10/2022

**Date of Completion of Test:** 19/10/2022

**Customer Relationship Number :**

**A1120022**

**Sample Description :**

12mm Thick Greenlam High Pressure General Purpose  
Compact Laminate

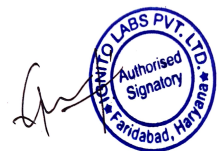
**Kind Attention:** Mr. Ankush Kumar

**E-Mail:** ankush.kumar@greenlam.com

**Contact No:** 9805043863

**Customer Reference Number :**

**Sample Drawn By :** Test Sponsor



**Kaushal Kumar Thakur**  
**Reviewed & Authorized By**

This is Digitally Signed Report and hence doesn't require Physical Signature

**1. INTRODUCTION**

Determination of compliance of **Greenlam High Pressure General Purpose Compact Laminate** by performing test for Fire Propagation Index and Spread of Flame Test as per test methods; **BS 476 part 6: 1989+A1:2009**; Method of test for fire propagation for products **BS 476 part 7: 1997**; Method for classification of the surface spread of flame of products

**2. DOCUMENTS REFERRED**

**BS 476 part 6: 1989+A1:2009**; Method of test for fire propagation for products  
**BS 476 part 7: 1997**; Method for classification of the surface spread of flame of products

**3. SPECIMEN DETAIL**

The testing laboratory has not been involved in the selection of the specimen.

Trade Name	Greenlam High Pressure General Purpose Compact Laminate
Generic Identification	Décor No 261
Mass per unit area	1400 Kg/m <sup>3</sup>
Thickness	12mm
Face Tested	Suede Finish
Form in which specimen was tested	Compact Board
Colour	Grey with brown core

*Note: All details in clause 3 are declared by test sponsor*

**4. CONDITIONING**

The specimens were conditioned at 23±2°C and 50±5% RH till constant mass.

**5. SAMPLE PREPARATION**

Samples were prepared by test sponsor; laboratory was not involved in sample preparation.

**6. TEST PROCEDURES****6.1 Parameter: Fire Propagation Index****Test Method: BS 476 Part 6**

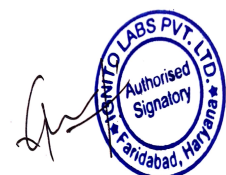
1 specimen of Size 225 mm in length and 225 mm in width has been placed in the sample holder and fixed at the testing position. Pilot flame was switched on and test timer started immediately. After 2 minute 45 seconds of start of test the heat irradiance is set at an irradiance of 1800Watt, which is further reduced to 1500Watt after 5 minutes of start of test. Test continued for 20 minutes. Temperature of flues gas is recorded and used for calculation. Test for 2 more specimens performed in same manner and results were recorded.



Shivam Awasthi  
(Tested By)



ULR No: TC103832200000137F

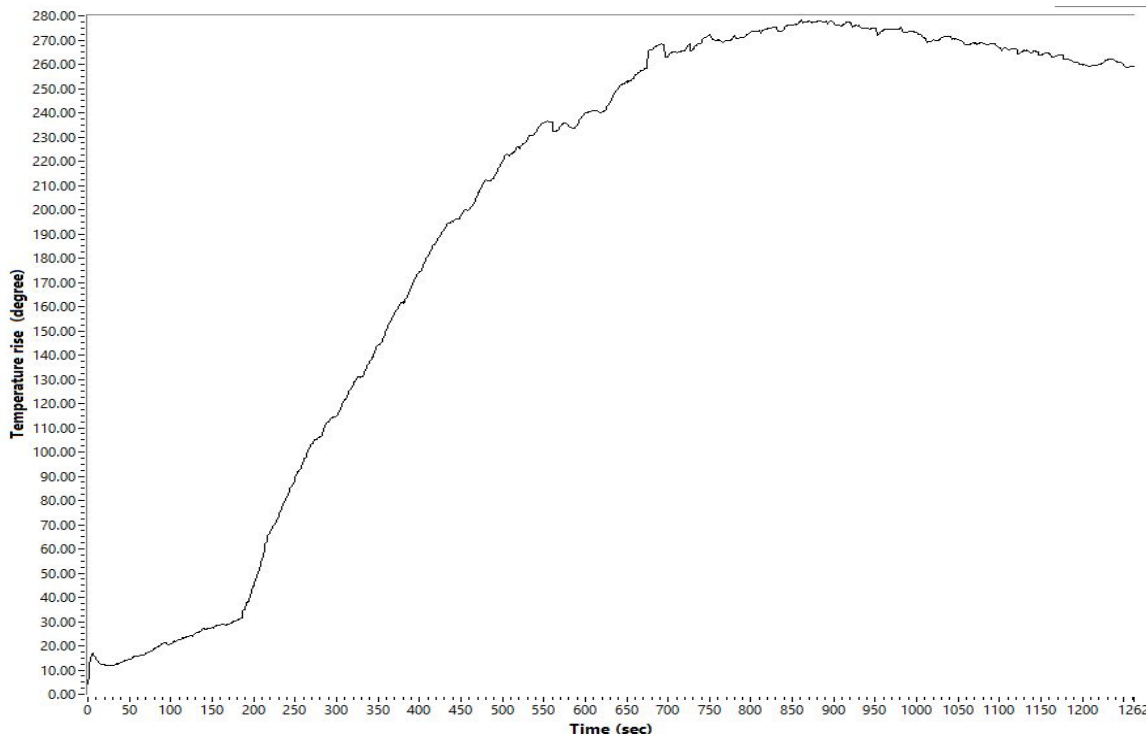


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Sub-Indices	Values
i 1	7.1
i 2	6.8
i 3	1.8

**Result:**

Parameter	Test method	Obtained Results
Fire Propagation Index, I	BS 476 part 6: 1989+A1:2009	15.7

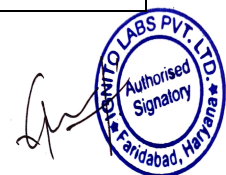

**6.2 Parameter: Spread of Flame**
**Test Method: BS 476 Part 7**

1 specimen of Size 885 mm in length and 270 mm in width has been placed in the sample holder. Pilot flame was switched on, Sample holder was moved to the testing position and test timer started immediately. Distance travelled by flame over specimen is observed and recorded. Test continued for 10 minutes. Test for 2 more specimens performed in same manner and results were recorded.

Distance in mm	Time Taken to cross reference line, in seconds					
	Specimen					
	1	2	3	4	5	6
75	-	-	-	-	-	-
165	-	-	-	-	-	-


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Specimen	Spread of flame at 1.5 min mm	Final spread of flame at termination/at 10 min mm
1	-	10
2	-	20
3	-	15
4	-	15
5	-	15
6	-	10

Classification Requirement of spread of flame				
Classification	Spread of Flame at 1.5 min		Final Spread of Flame	
	Limit	Limit for one specimen in a sample	Limit	Limit for one specimen in a sample
	mm	mm	mm	mm
Class 1	165	165 + 25	165	165 + 25
Class 2	215	215 + 25	455	455 + 45
Class 3	265	215 + 25	710	710 + 75
Class 4	Exceeding the limit for class 3			

**Result:**

Parameter	Test method	Obtained Results
Spread of Flame	BS 476 part 7: 1987	Class 1

**9. LIMITATION**

The results only relate to the behavior of the specimen of the element of construction under the particular conditions of test; they are not intended to be the sole criteria of accessing the potential fire performance of the element in use nor do they reflect the actual behavior in fires.

Shivan  
  
 Shivam Awasthi  
 (Tested By)



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 (Reviewed & Authorized By)

**10. PHOTOS**



Before Test

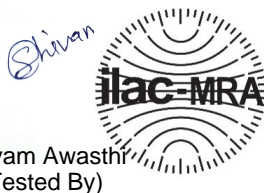


After Test



During Test

-----End of Test Report-----



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*Kaushal*

Kaushal Kumar Thakur  
(Reviewed & Authorized By)

### Terms & Condition:

- The results are related only to the items Tested
- Total Liability of our Laboratory is limited to the invoiced Amount. No Liability will be accepted after Sample is taken back
- The Sample Description is given "As desired by the customers". Sample not drawn by us & Analysis Conducted on Received sample unless specified otherwise.
- Retained sample will be destroyed after 30 days from the date of issue of the test report unless instructed otherwise.
- Any Complaints or Retest request should be communicated within 15 days from the issue of the Test report.
- Test Report shall not be reproduced except in full, without Written approval of the Laboratory
- The Test report is not to be reproduced wholly or in parts & cannot be used as an evidence in a court of law & shall not be used in advertising media without our permission in writing.

Shivan



Shivam Awasthi  
(Tested By)



TC-10383

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