



ATMY ANALYTICAL LABS PVT.LTD.

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Phone: +91-129-4019544
info@atmylabs.com, www.atmylabs.com

- Testing
- Research
- Innovation

TEST REPORT

Report No.: 2108070031

Page 1 of 10
Date: 23-08-2021

Issued To:

M/s NCL VEKA LIMITED
1ST FLOOR, FAIRFIELD BY MARRIOTT, FINACIAL DISTRICT,
HYDARABAD - 500032

Sample Description : VEKA UPVC PROFILE
Sample Received Date : 07-08-2021
Sample Drawn By : Client
Specification : BS 476:Part-7:1997 & BS 476:Part 5:1979
Test Requested : FLAME SPREAD, IGNITABILITY
Test Method : BS 476:Part-7:1997 & BS 476:Part 5:1979
Test Result : Refer to Attached Pages.

Authentication: To Check a authenticity of Test report (s), Scan QR code to get original data.

SAMPLE PICTURE



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MSF S-23-01





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I. FIRE TEST (as per Std. BS 476-part-7:1997)

Fire Resistance

Test Performed on : 07-08-2021 to 14-08-2021

Sample Description:

Product: uPVC Profile
Specification: - -
Sample Quantity: 03
Sample ID: 2108070031
Date of sample received: 07.08.2021
Date of Test Performed: 12.08.2021



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"This test report is for the exclusive use of Atmy clients and is provided pursuant to the agreement between Atmy and its client. The laboratory will not be liable to any party, other than to the clients with the agreement, for any loss, expense or damage occasioned by the use of this report. Total liability of laboratory is limited to the invoiced amount only. This report cannot be used as evidence in a court of law without the written approval of Atmy".

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1.0 SUMMARY

The objective of test was to determine of surface spread flame classification of the product “uPVC profile” in accordance with BS 476 Part – 7:1997. The test was performed in accordance with the procedures specified in the standard (BS 476 Part-7:1997) and the specimens were tested in the form of a composite. Test result of the product depicted that the sample tested has “**Class -1**” surface spread of flame in accordance with the class specified in the standard. The detailed results are summarized in the table-1.

Remarks:

The test results relate only to the behavior of the test specimens of the product under the particular conditions of test; they are not intended to be the sole criterion for assessing the potential fire Hazard of the product in use.

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2.0 TEST DETAILS

2.1 Conditioning of Specimen:

Prior to the test, the specimens were prepared and conditioned in accordance with standard at a temperature $23 \pm 2^\circ\text{C}$ and relative humidity of $50 \pm 5\%$.

2.2 Form in which the specimens were tested: Composite

2.3 Exposed faces:

The one face of the specimens was exposed to the heating conditions of the test.

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3.0 TEST RESULTS

3.1 The test results for individual samples are given in Table-1 below:

Table -1

Specimen No.	1	2	3	4	5	6
Spread of flame at first 1.5 minutes (mm)	59	60	59	60	58	56
Distance (mm)	Time of spread of flame to indicated distance (minutes : seconds)					
75						
165						
190						
215						
240						
265						
290						
375						
455						
500						
525						
600						
675						
710						
750						
785						
825						
Time of maximum spread of flame (minutes, seconds)	01:05	01:06	01:07	01:06	01:06	01:05
Distance of maximum spread of flame (mm)	70	72	71	72	71	72
Comments	None					

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4.0 CLASSIFICATION CRITERIA

4.1 Classification of Surface spread of flame

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

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5.0 CONCLUSION:

In accordance with the class definitions specified in the standard, the test results shows that the sample tested has **“Class -1”** surface spread of flame.

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II. IGNITABILITY TEST (as per Std. BS 476:part 5:1979)

Ignitability Test

Test Performed on : 16-08-2021 to 21-08-2021

SAMPLE DESCRIPTION:

Product: uPVC Profile
Specification: - -
Sample Quantity: 03
Sample ID: 2108070031
Date of sample received: 07.08.2021
Date of Test Performed: 20.08.2021



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TEST PURPOSE:

To determine the ignitability characteristics of the exposed surface of essentially flat, rigid or semi-rigid building materials, UPVC profile or composites, when tested in the vertical position to the specified in British Standard 476: Part 5:1979 "Method of test for ignitability".

TEST CONDITIONING:

Three specimens were conditioned for 48 hours at temp.23±2°C and relative humidity 50±5%.

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OBSERVATION:

Description	Specimens			Requirement	Conformity
	1	2	3		
1. Time of flaming removal of test flame	0	0	0	Not more than 10 sec.	Yes
2. Burning of the test specimen extending to the edges	No	No	No	Do not extent to any edge during flame application or within 10 sec period after removal of the test flame.	Yes

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REMARKS: The above sample conforms to as per BS 476: Part 5: 1979 with respect to above test.

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



Vishal Singh Tomar

**Vishal Singh Tomar
 ANALYST**

Authorised Signatory



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