



ARIHANT ANALYTICAL LABORATORY PVT. LTD.

AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 (OHSAS) CERTIFIED LABORATORY

272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonapat-131028 (Haryana)

Ph. : 7082301442, 9250014551 Email : aalkundli@gmail.com

Website : www.aalkundli.com

TEST CERTIFICATE

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Issued To: M/s Virgo Laminates Ltd.,
Block-363, Paiki, National Highway No-48
Taluka Matar, Sokhada Village,
Ahmedabad, Gujarat, Pin Code:387570.

Sample Description: Samples described as **High Pressure Fire Retardant Laminates** were received of thickness 6.00, 8.00, 10.00, 12.00, 13.00, 18.00, 19.00mm.
Sample Size: 305MM X 305MM

Report No. AAL MIS-20220312008

Date of Receiving: 12/03/2022
Date of Starting: 14/03/2022
Date of Completion: 22/03/2022

Date of Reporting: 23/03/2022
Sample Quantity: 14 Pcs.
Sample Packing Condition: Loose
Sample Submitted By: Customer

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH BS EN 13501-1:2007

TEST RESULTS

Observations: The Present report is study report on seven samples of high pressure laminate panel samples submitted by M/s Virgo Laminate Ltd, pertaining to classification and approval of product for Fire Retardant standards Quality/ Characterization.

A. The details of specimen submitted as:-

Dimensions	1	2	3	4	5	6	7
(i) Length, mm	305.18	305.6	305.10	305.12	305.06	305.08	305.04
(ii) Width, mm	305.16	305.14	305.08	305.14	305.08	305.06	305.02
(iii) Thickness, mm	6.04	8.06	10.11	12.06	13.14	18.16	19.02
Density, Kg/m ³	1479	1469	1471	1482	1468	1472	1490

B. Tests carried out: fire test as per BS: 476, pt-7:1997

The specimens were tested with the face side exposed to the specified conditions of the fire test.

Specimen no.	1	2	3	4	5	6	7
Test Observation Spread of 1.5 minute flame at interval, mm	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Classification of Surface spread of Flame

Requirements, mm

Class - 1 - 165+25

Class - 2 - 215+25

Class - 3 - 265+25

Class - 4 - Above Class 3

Dr. D.R. Sharma
Gen. Manager (Q&T)

Authorised Signatory

Note: 1. The Result Indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred not implied.
2. Total liability of our laboratory is limited to the invoice amount.
3. This report shall not be reproduced wholly or in part without written consent of the laboratory.
4. This report shall not be used in any advertising media or as evidence in the court of law without prior written consent of the laboratory.
5. The non-perishable sample received shall be destroyed after 30 days and perishable sample shall be destroyed after 7 days from the date of issue of report unless specified.



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TEST RESULTS

C. Test for smoke development and droplets while burning as per: EN-13501-1:2007 for B-S1, D0 Protocol

S. No.	Test Parameter	Observation	Requirement as per B-S1, D0	Conformity
1.	Smoke development	Very limited smoke development of Class S1	Very limited smoke development of Class S1	Yes
2.	Burning Droplets	No burning droplets or particle of Class d0	No burning droplets or particle of Class d0	Yes

Observations: (i) From the above tabulated results it is observed and inferred that there is almost no spread of fire at interval of time 1.5 minutes on Laminated tested specimens.

(ii) There is no smoke development and burning droplets or particles.

Remarks: (i) On the basis of tests conducted and observation made the samples are classified in CLASS – 1 as per surface spread of flame.

(ii) The material is certified and approved according to B-S1, D0 Protocol.

****End of Report****

Note: The test results relate only to the specimens received and tested in the laboratory.

Dr. D.R. Sharma
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