



भारतीय प्लाईवुड उद्योग अनुसंधान और प्रशिक्षण संस्थान
INDIAN PLYWOOD INDUSTRIES RESEARCH & TRAINING INSTITUTE

फील्ड स्टेशन कोलकाता / Field Station Kolkata

(भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय का स्वायत्त निकाय)
(Autonomous Body of the Ministry of Environment, Forests & Climate Change, Government of India)

२/२, बीरेन राय रोड (वेस्ट), सरसुना, कोलकाता - ७०० ०६१
2/2, Biren Roy Road (West), Sarsuna, Kolkata - 700 061

दूरभाष : ०३३-२४९८ ३१२०, फैक्स : ०३३-२४९८ ३१२०

- Phone : 033-2498 3120, - Fax - 033-2498 3120

Website : <http://www.ipirti.gov.in> E-mail : ipirtikolkata@ipirti.gov.in

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TEST REPORT

Report Issued to:

M/s. Balaji Action Buildwell
C34, C34A to D C3, C6A to C, Plot 5
Eledco Sidcul, Industrial Park
Sitarganj, Udham Singh Nagar
Uttarkhand- 262 405

TEST REPORT AS PER IS 5509:2000 (RA -2006) [WITH AMENDMENT NO(s) 3]

ULR- TC691019000000302P

REPORT NO: KFS/Phy/Testing/Ply/FRT/5195/19-20
(Job Card No.)

DATED: 03.12.2019

PART - A: PARTICULARS OF THE SAMPLE SUBMITTED:

(a) Nature of Sample	:	Laminated HDF Boards
(b) Grade/Variety/Type/Class/Size etc.	:	Size- 2133.6 x 914.4 x 12mm
(c) Declared Values, if any	:	--
(d) Code No.	:	--
(e) Batch No. & Date of Manufacture	:	--
(f) Quantity	:	2No
(g) Date of Receipt	:	16.10.19
(h) BIS Seal	:	--
(i) IO's Signature	:	--
(j) Any Other Information/ Expiry date, if any	:	Color- Silver Grey
(k) Date of commencement of testing	:	07.11.19
(l) Date of completion of testing	:	29.11.19

Authorized Signatory
Sample cell-In-Charge

Testing Personnel
Name: A.A. Solanki
Designation: Sr. Tech. Asst.

Authorized Signatory
Name: Amitava Sil
Designation: Officer-In-Charge

N.B.

1. The test results are relevant to the sample received for testing. Endorsement अथवा प्रमाणित करने (endorsement) nor implied.
2. Remnants of tested material if any will be retained for a period of 6 months only from the date of issue of test reports.
3. This report, in full or in part, shall not be published, advertised, used for commercial purpose or any legal action without our special permission in writing.
4. For Test Sl. No. 8 and 9 sample size has been taken for parallel to grain as per IS 1734:1983.



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IS 5509:2000

Date: 03.12.2019

PART - B: SUPPLEMENTARY INFORMATIONS:

- (a) Reference to the sampling procedure, wherever applicable : N.A.
(b) Supporting documents for the measurement taken and results derived like graphs, tables, sketches and/or photographs as appropriate to the test report if any (To be attached) : N.A.
(c) Deviations from test methods as prescribed in relevant ISS/Work Instructions, if any : N.A.

PART - C: TEST RESULT:

I. MECHANICAL TESTING

- I. Wood & Wood Products
(a) Plyboard

Sl. No.	Tests	Cl. No.	Test Method	Requirement as per IS 5509:2000	Results
1	Dimensions & Tolerances (a) Length, mm (b) Width, mm (c) Thickness, % (i) Less Than 6 mm (ii) 6 mm and above (d) Squareness, % (e) Edge straightness, %	8	Annex A IS 5509:2000 Annex A IS 5509:2000	+ 6 mm, - 0 mm + 3 mm, - 0 mm ± 10% ± 5% 0.2 0.2	+ 3.06 + 2.26 -- + 4.41 % 0.04 0.02
2	Workmanship and finish	9		The finished plywood shall be reasonably clean to handle and free of dirt & stain other than any uniform color of the flame retardant solution	The plywood is reasonably clean to handle and free of dirt & stain
3	Moisture content %	12.2	IS 1734:1983 (RA 2003) Part-1	Max. 20 %	5.97
4	Flammability, min	12.3.1	IS 1734:1983 (RA 2003) Part-1	Min. 30 Minutes	101
5	Flame penetration, min	12.3.2	IS 1734:1983 (RA 2003) Part-1	Min (15*Thickness/6) Minutes	22.3
6	Rate of burning, min	12.3.3	IS 1734:1983 (RA 2003) Part-1	Min 20 Minutes	39

Name: A. A. Solanki
Designation: Sr. Tech. Asst.

Authorized Signatory
Name: Amitava Sil
Designation: Officer-In-Charge

प्रभारी अधिकारी
आई.पी.आई.आर.टी.आई., फील्ड स्टेशन
२/२, बीरेन राय रोड (पश्चिम)
कोलकाता-700 061



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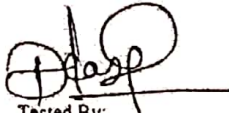
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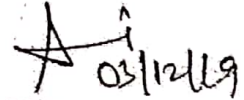
IS 5509:2000

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Sl. No.	Tests	Cl. No.	Test Method	Requirement as per IS 5509:2000	Results
1	2	3	4	5	6
7	Resistance to water, Adhesion to plies (3 cycles of 8 hr. @ 100 ± 2° C in water & 16 hr. drying @ 65 ± 2° C)	12.4	IS : 1734-1983 (RA 2003) Part-5 and Part-6	Min. Pass Standard	Pass Standard
8	<u>Static Bending Strength</u> Modulus of elasticity, N/mm ² a) Average b) Minimum individual	12.4	IS : 1734-1983 (RA 2003) Part-11	5000 4500	6914 6857
9	<u>Static Bending Strength</u> Modulus of rupture, N/mm ² a) Average b) Minimum individual	12.4	IS : 1734-1983 (RA 2003) Part-11	40 36	52.66 49.78



Tested By:
Name: A.A. Solanki
Designation: Sr. Tech. Asst.



Authorized Signatory
Name: Amitava Sil
Designation: Officer-In-Charge

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