

काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान
INSTITUTE OF WOOD SCIENCE AND TECHNOLOGY
फील्ड स्टेशन, कोलकाता/ **Field Station, Kolkata**



(भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद्)
(Indian Council of Forestry Research and Education)
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, की एक स्वायत्त निकाय)
(An Autonomous Body of Ministry of Environment, Forest and Climate Change, Govt. of India)
2/2, बिरन रॉय रोड(पश्चिम), सरसुना/2/2, Biren Roy Road(West), Sarsuna, कोलकाता-700061/Kolkata- 700 061

सं. FSK/Phy/TR/32/Ply/FRT/5914/22-23/ 683

दि. 02.03.2023

सेवा में/To

M/s. Greenpanel Industries Ltd.

Plot No. 2, Sector 9, IIE

Pantnagar, Sidcul, Rudrapur

Udham Singh Nagar, Uttarakhand-263153

आदरणीय महाशय,

Dear Sir,

विषय : नमूने के परीक्षण रिपोर्ट

Sub : Test Report for Fire Retardant Plywood as per IS:5509-2000

संदर्भ : आपका पत्रांक दिनांक

Ref : Your letter no. GIL/Sample/JAN2023 Dated 21.01.2023

कृपया उपरोक्त पत्र का संदर्भ लें

Please refer to the above letter.

परीक्षण रिपोर्ट संलग्न है

Test Report is enclosed.

भवदीय,

Yours faithfully,

प्रभारी अधिकारी

Officer-in-Charge

प्रभारी अधिकारी

काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान

2/2, बिरन रॉय रोड (पश्चिम)

कोलकाता- 700 061

संलग्न : क/क

Encl : a/a



काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान
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TEST REPORT

Report Issued to:

M/s. Greenpanel Industries Ltd.

Plot No. 2, Sector 9, IIE

Pantnagar, Sidcul, Rudrapur

Udham Singh Nagar, Uttarakhand-263153

ULR- TC1019522000000993F

REPORT NO: FSK/Phy/Testing/Ply/FRT/5914/22-23

(Job Card No.)

DATED: 02.03.2023

PART - A: PARTICULARS OF THE SAMPLE SUBMITTED:

(a) Nature of Sample	:	Fire Retardant Plywood
(b) Grade/Variety/Type/Class/Size etc.	:	Size- 1840mm x 1220mm x 19mm
(c) Declared Values, if any	:	--
(d) Code No.	:	--
(e) Batch No. & Date of Manufacture	:	--
(f) Quantity,	:	1No
(g) Date of Receipt	:	30.01.2023
(h) BIS Seal	:	--
(i) IO's Signature	:	--
(j) Any Other Information/ Expiry date, if any	:	--
(k) Date of commencement of testing	:	01.02.2023
(l) Date of completion of testing	:	24.02.2023

Authorized Signatory
Sample Cell-In-Charge

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

प्राप्ती अधिकारी
काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान
2/2, बीरेन रॉय रोड (पश्चिम)

- Note: (a) The test results are relevant to the sample received for testing. Endorsement and product is neither inferred nor implied.
- (b) Remnants of tested material if any will be retained for a period of 6 months only from the date of issue of test reports.
- (c) This report is not to be reproduced wholly or in parts and cannot be used as evidence in the court of law and shall not be used in any advertising media without our special permission in writing.



काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान INSTITUTE OF WOOD SCIENCE AND TECHNOLOGY

फील्ड स्टेशन, कोलकाता/ Field Station, Kolkata

(भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद्)

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REPORT NO: FSK/Phy/Testing/Ply/FRT/5914/22-23

IS 5509:2000 (RA -2006)

Date: 02.03.2023

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 - B: TEST RESULT:

I. MECHANICAL TESTING

1. Buildings Materials

(a). Doors & Windows

Sl. No.	Tests	Cl. No.	Test Method	Requirement as per IS : 5509-2000	Results
1	2	3	4	5	6
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	+ 1.66 + 1.33 + 1.89 % -- 0.03 % 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 finished plywood is reasonably clean to handle and free of dirt & stain other than any uniform color of the flame retardant solution
3	Moisture content %	12.2	IS : 1734(Part-1)	Max. 20 %	6.61 %
4	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
5	Static Bending Strength Modulus of elasticity, N/mm ² i) Parallel to the face grain a) Average b) Minimum individual ii) Perpendicular to the face grain a) Average b) Minimum individual	12.4	IS 1734:1983 (RA 2003) Part-11	5000 4500 2500 2200	5697 4936 6280 6210

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

प्रभारी अधिकारी
काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान



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INSTITUTE OF WOOD SCIENCE AND TECHNOLOGY

फील्ड स्टेशन, कोलकाता/ Field Station, Kolkata

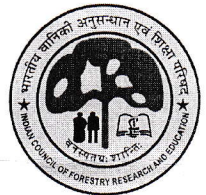
(भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद्)

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REPORT NO: FSK/Phy/Testing/Ply/FRT/5914/22-23

IS 5509:2000 (RA -2006)

Date: 02.03.2023

Sl. No.	Tests	Cl. No.	Test Method	Requirement as per IS : 5509-2000	Results
1	2	3	4	5	6
6	<u>Static Bending Strength</u> Modulus of rupture, N/mm ² i. Parallel to the face grain a) Average b) Minimum individual ii. Perpendicular to the face grain a) Average b) Minimum individual	12.4	IS 1734:1983 (RA 2003) Part-11	40 36 20 18	41.12 37.82 35.90 30.80
7	Rate of burning, min	12.3.3	IS : 1734(Part-3)	Min 20 Minutes	76.3 Minutes
8	Flammability, min	12.3.1	IS : 1734(Part-3)	Min. 30 Minutes	92.3 Minutes
9	Flame penetration, min	12.3.2	IS : 1734(Part-3)	Min (15*Thickness/6) Minutes	108.3 Minutes

A 02/03/2023

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

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2/2, बिरन रॉय रोड (पश्चिम)
कोलकाता- 700 061



SPEED POST
काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान
INSTITUTE OF WOOD SCIENCE AND TECHNOLOGY

फील्ड स्टेशन, कोलकाता/ **Field Station, Kolkata**

(भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद्)

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सं.FSK/Phy/TR/32/Ply/FRT/5914/22-23/686

दि. 10.03.2023

सेवा में/To

M/s. Greenpanel Industries Ltd.

Plot No. 2, Sector 9, IIE

Pantnagar, Sidcul, Rudrapur

Udham Singh Nagar

Uttarakhand- 263 153

प्रिय महाशय,

Dear Sir,

विषय : नमूने के संशोधन परीक्षण रिपोर्ट

Sub : Amendment Test Report for Fire Retardant Plywood as
per IS: 5509- 2000

संदर्भ : आपका पत्रांक दिनांक

Ref : (i) Our Report No. FSK/Phy/TR/32/Ply/FRT/5914/22-23/683
Dt.02.03.2023

(ii) Your E-Mail Dt. 10.03.2023

कृपया उपरोक्त पत्र का संदर्भ लें

Please refer to the above letter.

परीक्षण रिपोर्ट संलग्न है

Test Report is enclosed.

भवदीय,

Yours faithfully,

प्रभारी अधिकारी

Officer-in-Charge

प्रभारी अधिकारी

काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान

2/2, बिरन रॉय रोड (पश्चिम)

कोलकाता- 700 061

संलग्न : क/क

Encl : a/a



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सं. FSK/Phy/TR/32/Ply/FRT/5914/22-23

दि. 10.03.2023

संशोधन परीक्षण रिपोर्ट
Amendment Test Report

With reference to the Test Report no. FSK/Phy/TR/32/Ply/FRT/5914/22-23/683
Dt.02.03.2023 bearing ULR No. TC1019522000000993F Dt. 02.03.2023, "Any Other
Information" mentioned in Part-A Sl. No. (j) of Page No. 1 to be read the brand name
"Greenpanel Club Plywood".

The test report may be amended accordingly.


10/03/2023
Name: Amitava Sil
Designation: Officer-In-Charge

प्रभारी अधिकारी
काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान
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कोलकाता- 700 061



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