



काष्ठ विज्ञान एवं प्रौद्योगिकी संस्थान
INSTITUTE OF WOOD SCIENCE AND TECHNOLOGY

(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)



Speed Post

सं./No.SC/CTO/103/EIPL/129F/2024/Chennai

दिनांक/Date: 22.08.2024

सेवा में/To,

M/s. Eximcorp,
X-11, Anna Nagar,
Chennai-600040,
Tamil Nadu.
E-mail : info@eximcorp.co.in

प्रिय महोदय,
Dear Sir,

विषय:नमूने के परीक्षण रिपोर्ट।

Sub: Consolidated Test report for Plywood sample (BWP Grade)

संदर्भ: १. आपका पत्रांकदिनांक.....
२. संस्थान की परीक्षण संदर्भ सं

Ref: Your E-mail dated 19.06.2024
(Samples received on 25.06.2024)

उपरोक्त उल्लिखित संदर्भ में आपके द्वारा दिए गये नमूनों को संलग्न प्रतिवेदन में उल्लिखित मानकों के अनुसार, आईडब्ल्यूएसटी(भूतपूर्व इपिटी)के संबंधित प्रभाग से परीक्षण किया गया।

Samples submitted by you vide above cited reference was tested by the relevant Division of IWST (erstwhile IPIRTI) as per the Standards mentioned in the attached report.

आपकी सेवा करने का यह अवसर सराहनीय है। यह सौभाग्य भविष्य में पाने की उम्मीद है।

The opportunity to serve you is highly appreciated. Hoping to have the same privilege in future.

भवदीय,

Yours faithfully,

Shalini P B

Shalini P Rao

Chief Technical Officer

ICFRE-Institute of Wood Science and Technology
IWST-IPIRTI Campus, HMT Link Rd, Off. Tumkur Rd,
Yeshwanthpur Post, Bengaluru - 560 022

संलग्नक:क/क

Encl.: a/a

Head Office: ICFRE- Institute of Wood Science and Technology, 18th Cross, Malleswaram P.O., Bangalore – 560 003

Website: <http://iwst.icfre.gov.in> email: dir_iwst@icfre.org Phone: 080- 23341731/ 080-23340529 / 080- 2219 0100(Dir)

IPIRTI Campus Peenya: Near Platinum City Apartments, HMT Link Road, Off.Tumkur Road, Yeshwanthpur PO
Bangalore-560022 / 080-30534036(Genl)/080-30534021(SampleCell)
samplecell@ipirti.gov.in/samplecelliwst@gmail.com/samplecell.ipirti@gmail.com

Field Station: ICFRE- Institute of Wood Science and Technology
2/2, Biren Roy Road(West), Sarsuna, Kolkata- 700 061
033-24983120 / samplecellfsk@icfre.org / oicsrfk@icfre.org

As per GoI, MoEF&CC, Order No. F.No. 16-1/2022-RT dated 22.10.2022, Indian Plywood Industries Research and Training Institute (IPIRTI), has been merged with Institute of Wood Science and Technology (IWST), Bengaluru



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CONSOLIDATED TEST REPORT

TC917824000000129F

सं./No.SC/CTO/103/EIPL/129F/2024/Chennai

दिनांक/Date: 22.08.2024

Ref: Your E-mail dated 19.06.2024
(Samples received on 25.06.2024)

One Film Faced Plywood (BWP Grade) sample of dimension 2440 x 1220 x 18 mm received from M/s. Eximcorp, X-11, Anna Nagar, Chennai-600040, Tamil Nadu was tested for Fire retardant properties and Physical/Mechanical properties as per **IS:1734-1983**. The tests results are as follows:

Sl. No.	Tests	Results
1.	Panel shear stress, N/mm ²	13.17
2.	Plate shear strength, N/mm ² (Shearing modulus)	622
3.	Resistance to fire	
	a) Flammability (Time taken for the second ignition), Min.	32
	b) Flame penetration (Time taken for flame penetration from bottom to top surface of the Plywood), Min.	19
	c) Rate of Burning (Time taken to lose weight from 70% to 30%), Min.	4
4.	Glue Shear Strength in Dry state, N	1695
5.	Glue Shear Strength in Wet state, N (After 72 hrs of boiling)	1013
6.	Resistance to water, BWP Grade (72 hrs of boiling)	Pass standard
7.	Impact resistance on surface of plywood, mm	0.38 (No cracking and tearing of plywood)
8.	Compressive Strength, N/mm ²	
	a) Parallel to Face grain	24.63
	b) Perpendicular to the face grain	23.81
9.	Modulus of Elasticity, N/mm ²	
	a) Parallel to Face grain	8309
	b) Perpendicular to the face grain	7241
10.	Modulus of Rupture, N/mm ²	
	a) Parallel to Face grain	58.56
	b) Perpendicular to the face grain	56.72

- Note:** 1. The test results are relevant only to the material received for testing.
2. Test specimens were conditioned at 65±5% RH and at 27±2°C for mechanical tests.

Shalini P B

Shalini P Rao

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