

Aag Se Bachaye



Now with



'Aag se bachaye' is creatively interpreted from test reports under standard test condition for 19 mm thick Architect Ply and Club Prime. CenturyPly with Firewall Technology fares much better in containing spread of fire as per 3 standards - IS 5509, BS 476 Part 7 & ASTM E84 - giving customers critical time to act in case of fire. Please visit www.centuryply.com for more details.

TEST CERTIFICATES

ASTM E84



Format No: SALLGNTRFPGEN
Rev: 01, Issue Date: 01.04.17
Page 1 of 6

TEST REPORT

Test Report Issued To:

CENTURY PLYBOARDS (I) LTD.
CENTURY HOUSE, P/51, TANLATA ROAD.,
KOLKATA, WEST BENGAL - 700088,
INDIA

Test Report No: 02102277102/02102277102-10

Date of Issue: 04-MAY-2021



Sample Booking/Receipt Date: 27-Feb-2021
Date of Start of Testing: 03-Mar-2021
Date of Completion of Test: 03-Mar-2021

Customer Relationship Number: 40588

Sample Description:
PLYWOOD SAMPLE



Customer Reference No:

Kind Attention: MR. RAJNEET KUMAR
E-Mail: rajneet@centuryply.com

Contact No: 9027587728

Sample Condition: GOOD

Sample Size (Approx):

SAMPLE NOT OBTAINED BY OUR LABORATORY. THE RESULTS RELATE ONLY TO THE ITEMS TESTED



Report Issued By

Authenticity of report can be verified by mail at rajneet@centuryply.com
This is a Digitally Signed Report and hence doesn't require Physical Signature

Spectro Analytical Labs Limited | S-1, ONEPSP, Suncorp Industrial Area, Phase-V, Kante, Greater Noida-201308 (India)
Phone: +91-120-2341200,2341201 || URL: www.spectro.in | Email: care@spectro.in
BIS & CDA Approved, ISO 9001:2015 & ISO 14001:2015 & ISO 45001:2018 Certified Laboratory
Please refer to our Website <http://www.spectro.in/page/our-practices.html> for Terms & Condition

ASTM E84



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TEST REPORT

Report No: 02102277102/02102277102-10

TEST REPORT FOR DETERMINING THE FLAME SPREAD AND SMOKE DEVELOPED INDEX

Test Sponsor:
CENTURY PLYBOARDS (I) LTD.

Product Name:
Plywood

Test Standards:
ASTM E84-2020; Standard Test Method for Surface Burning Characteristics of Building Materials.

Testing Laboratory:
Spectro Analytical Labs Limited
S-1, ONEPSP, Suncorp Industrial Area
Kante, Greater Noida, Phase-V
Gautam Budha Nagar (U.P.)
Pin Code: 201308
Ph: 0120-2341201/52

Specimen Verification:
Length : 2440 mm
Width : 600 mm
Thickness : 18 mm

Sample Preparation: The sample was 19mm in thickness, 600 mm in width and 2440 mm in length. Approx. 3 numbers of samples were used to spread over the tunnel to form the requisite specimen length. During testing the sample was self-supporting.

Rajneet
Analyst Signature



Authorized Signatory

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TEST REPORT

Report No: 02102277102/02102277102-10

Results and Discussion

Flame Spread Result
Calculated Flame Spread (CFS) 12.09

Flame Spread Index 12

Smoke Developed Result

Calculated Smoke Developed 156.80

Smoke Developed Index 155

Result: Class 1

Classification Requirement

	Flame Spread Index	Smoke Development
Class 1 or A	0 - 25	450 Maximum
Class 2 or B	26 - 75	450 Maximum
Class 3 or C	76 - 200	450 Maximum

Correction Factor

CORRECTION FACTOR FOR CALCULATING FLAME SPREAD INDEX

- If this total area (A_T) is less than or equal to 97.5 ft² min then
The flame spread index shall be FSI x 0.51^{A_T}.
- If the total area (A_T) is greater than 97.5 ft² min then
The flame spread index shall be FSI - 4900 (195 - A_T).
Here A_T represents Total Area in A₁, A₂, A₃, A₄.
- A₁: Area Under the curve where first peak is observed.
- A₂: Area just above the curve in the line of first peak point.

CORRECTION FACTOR FOR CALCULATING SMOKE DEVELOPED INDEX

- Smoke Developed (SD) is determined by dividing the total area under the observation curve by that of cement board and multiplying by 100. SD is then rounded to the nearest multiple of 5 if less than 200. SD values over 200 are rounded to the nearest multiple of 50.
- Smoke Developed Index = Area under the Observation Curve ÷ 100
Area under the Red Oak Curve

Rajneet
Analyst Signature



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TEST REPORT

Report No: 02102277102/02102277102-10

Annexure A

Time (minutes)	Distance (Feet)
1	1.9
2	2.1
3	2.3
4	2.5
5	2.6
6	2.5
7	2.5
8	2.5
9	2.5
10	2.5

Flame Spread Data
Calculated Flame Spread (CFS) 12.09

Flame Spread Index 12

Time to Ignition (min) 15 Seconds

Maximum Flame Spread (ft) 2.6 ft.

Area under Flame Spread Curve (Ft. Min) 23.48 Ft. min.

Smoke Data

Calculated Smoke Developed 156.80

Smoke Developed Index 155

Area under the Smoke Curve (ft. Min) 115.83

Area under Red Oak Curve (Ft. Min) 73.87

Rajneet
Analyst Signature





Authorized Signatory

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TEST CERTIFICATES




BS 476 Part 7



भारत सरकार
Government of India
राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)
National Test House (Eastern Region)
11/1, जज्जे कोर्ट रोड, अल्पोर, कोलकाता - 700 027
11/1, Judges' Court Road, Alipore, Kolkata - 700 027

FORM NO : NTHALP/PS

Number of Copies Issued	Single	परीक्षण प्रमाण पत्र	TEST CERTIFICATE	INTERIM/FINAL REPORT
Test Certificate No.	वारी कोडेची क्रमांक	कोड नं.	पृष्ठ क्रमांक	पृष्ठ क्रमांक
NTHREK/CH61920210002	246922021	161364289448	1	2
Issued To	CENTURY FLYBOARDS INDIA LIMITED			
वित्त	Diamond Harbour Road, Kanchowak, Bishnupur, 24 Pps South, Pin-743003			
प्राप्त कर संपूर्ण सं	CPL/20-2104			
प्लान सं	0012NTHREK/CH61920210002			
परीक्षण सामग्री का विवरण	Pty (0.31M x 0.31M x 15mm)			
परीक्षण सामग्री का पत्राचार	Sample received in a packet, described as Pty (0.31M x 0.31M x 15mm), Quantity-3 Nos.			
पदनाम का विवरण	Not Specified			
पदनाम प्राप्ति की तिथि	17/02/2021			
कार्य प्रदर्शन की तिथि	From: 17/02/2021 To: 24/02/2021			
समाप्ति प्रदर्शन की तिथि	On the lines of BS 476 Part-7			
पदनाम प्राप्ति का विवरण	Not Applicable			

Tested By:  Suresh Kumar Rahta
 Checked By:  Ajoy Apparao Ukarande
 Approved By:  Dr. Ananth Bhanu Mondal




BS 476 Part 7



भारत सरकार
Government of India
राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)
National Test House (Eastern Region)
11/1, जज्जे कोर्ट रोड, अल्पोर, कोलकाता - 700 027
11/1, Judges' Court Road, Alipore, Kolkata - 700 027

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Test Certificate No.	वारी कोडेची क्रमांक	कोड नं.	पृष्ठ क्रमांक	पृष्ठ क्रमांक
NTHREK/CH61920210002	246922021	161364289448	1	2
Sl. No.	Test Name	Test Result	Limit	
1	Surface Spread of Flame test BS 476 Part 7	Vide Annexure-I	-	
	दिखायी	NO		
	टिप्पणी	NO		

Tested By:  Suresh Kumar Rahta
 Checked By:  Ajoy Apparao Ukarande
 Approved By:  Dr. Ananth Bhanu Mondal




BS 476 Part 7

भारत सरकार
Government of India
राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)
National Test House (Eastern Region)
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11/1, Judges' Court Road, Alipore, Kolkata - 700 027

FORM NO : NTHALP/PS

TEST CERTIFICATE	TEST CERTIFICATE	TEST CERTIFICATE	
Test Certificate No.	Date of Issue	Code No.	
NTHREK/CH61920210002	14/02/2021	161364289448	
Page	No. of pages		
1	1		
Sample :	Pty (0.31M x 0.31M x 15mm), Quantity-3 Nos		
Text :	Surface Spread of Flame test.		
	Test Result		
Sl No.	Test	Result	Limit
1	Surface Spread of Flame test (On the lines of BS 476 Part-7)	Flames spread at 50 seconds Flame Spread at 10 minutes 182mm	For class-I 165-175mm For class-II 165-25 mm

Tested By:  Suresh Kumar Rahta
 Checked By:  Ajoy Apparao Ukarande
 Approved By:  Dr. Ananth Bhanu Mondal

TEST CERTIFICATES

IS 5509

आ : आई पी आई इंडिया लि, बंगलुरु - ए
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भारतीय प्लाईवुड उद्योग अनुसंधान और प्रशिक्षण संस्थान
INDIAN PLYWOOD INDUSTRIES RESEARCH & TRAINING INSTITUTE
 पीएच डीएम कॉम्प्लेक्स / फ़ाईड स्टेशन कोलकाता

(एनए अन्डर, पीएचएम, का एच डीएम) पीएच डीएम का संस्थान (भारत)
 (Autonomous Body of the Ministry of Environment, Forests & Climate Change, Government of India)
 १/१, रॉय रोड (वेस्ट), बरारुमा, कोलकाता - ७०० ०९१
 22, Birnin Roy Road (West), Barurama, Kolkata - 700 091

क्र. / No. K.I.FS/Phy/Testing/Phy/FRT/5475-5477/20-21 दि. 04.03.2021

सेवा में,
 M/s. Century Plyboards (I) Ltd.
 Diamond Harbour Road
 Kanchankuli, Bidhupur
 24 Parganas (S), West Bengal- 743503

प्रिय मित्र,
 Dear Sir,

विषय : प्रत्यक्ष के परिक्षण रिपोर्ट
 Sub : Test Report for Fire Retardant Plywood

संदर्भ : प्रत्यक्ष पर्याप्त प्रमाण
 Ref : Your Letter No. CPL/20-21/83 Dt.10.02.2021

कृपया उपरोक्त पर चार संलग्न करें
 Please refer to the above letter.

परिक्षण रिपोर्ट संलग्न है
 Test Report is enclosed.

अभिलाषी,
 Yours faithfully,

प्रभारी अधिकारी
 Officer-in-Charge

भारतीय प्लाईवुड उद्योग अनुसंधान और प्रशिक्षण संस्थान
 Indian Plywood Industries Research & Training Institute
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 Website : http://www.ipri.gov.in E-mail : iprikolkata@ipri.gov.in

संलग्न संख्या
 Encl : २/४

IS 5509



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TEST REPORT

Page 1 of 2

Report Issued to:

M/s. Century Plyboards (I) Ltd.
 Diamond Harbour Road
 Kanchankuli, Bidhupur
 24 Parganas (S), West Bengal- 743503

REPORT NO. K.I.FS/Phy/Testing/Phy/FRT/5475/20-21

DATED: 04.03.2021

TEST - 1

- PART - A. PARTICULARS OF THE SAMPLE SUBMITTED:**
- (0) Nature of Sample : Fire Retardant Plywood
 - (0) Grade/Variety/Type/Class/Spec. etc. : Type Ph, Size- 2440mm x 1220mm x 18mm
 - (0) Country/Origin of Raw Material : NA
 - (0) Cat. No. : 3A
 - (0) Brand Name & Date of Manufacture : -
 - (0) Quantity : 1No
 - (0) Date of Receipt : 10.02.2021
 - (0) Mill Name : -
 - (0) IS/A Register : -
 - (0) Any Other Information (Grade, Size, etc.) : -
 - (0) Date of commencement of testing : 23.02.2021
 - (0) Date of completion of testing : 04.03.2021

Authorized Signatory
 Name: Anil Kumar
 Sample used in Charge

Authorized Signatory
 Name: Anil Kumar
 Designation: Officer-in-Charge

04/03/2021

N.B.

1. The test results are subject to the sample method for testing. (Indemnification of liability is not covered here)
2. Retention of tested material of any will be retained for a period of 6 months only from the date of issue of test reports.
3. This report is valid as per, shall not be published, advertised, used for commercial purpose or any legal action without our explicit permission in writing.

IS 5509

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 Office : IPRI, Kolkata - 56
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Page 2 of 2

REPORT NO. K.I.FS/Phy/Testing/Phy/FRT/5475/20-21

Date: 04/03/2021

PART - B. SUPPLEMENTARY INFORMATIONS:

- (0) Reference to the sampling procedure, whenever applicable : N.A.
- (0) Reporting documents for the measurement data and results derived like graphs, tables, sketches and/or photographs as appropriate to the test report if any (If so attached) : N.A.
- (0) Deviations from test methods as prescribed in relevant IS/Work Instructions, if any : N.A.

PART - C. TEST RESULTS:

I. MECHANICAL TESTING:

1. Wood & Wood Products

(0) Plywood

Sl. No.	Tests	Cl. No.	Test Method	Requirement as per IS 5509:2000	Results
1	Flammability, min	3	IS 1734 (Ply)	Min 30 Minutes	52.6
2	Flame penetration, min	12.3.1	IS 1734 (Ply)	Min 150 (Ply/Secs)	61.6
3	Rate of burning, min	12.3.1	IS 1734 (Ply)	Min 20 Minutes	21.46

अभिलाषी,
 Yours faithfully,

प्रभारी अधिकारी
 Officer-in-Charge

भारतीय प्लाईवुड उद्योग अनुसंधान और प्रशिक्षण संस्थान
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- Century Plyboards India Ltd
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FireWall Technology currently available in **Architect Ply** and **Club Prime**
 Retail Help Desk **+91 9962891523**