

(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार)

(Ministry of Commerce & Industry, Govt. of India) इंजीनियरी एवं संसाधन प्रभाग Engineering & Processing Division मांगानम पी ओ, कोइयम Manganam P O, Kottayam - 686 018

केरल, भारत Kerala, India



TEST REPORT

CUSTOMER'S NAME & ADDRESS

M/s COLONIAL LUMBERS LLP

Ponnurikkippara Poyil (P.O), Pariyaram Kannur-670502

Certificate No

47/M/1/1-2025

Date of Issue

19/03/2025

Date of sample receipt : 17/03/2025 Date of sample testing:

17/03/25-18/03/2025

Sample name

: Rubber wood sample

Sample description

: 300x18x18mm

Ref. No.

Your Test request Email dated 07-03-2025

Code on sample

Test method

IS 1708 Part 1: 1986

Lab code

52/M/1/1

RESULTS: MOISTURE CONTENT (OVEN DRY METHOD) Sample size-2.5x1.8x1.8cm

SI No	Parameters Tested	Result	Unit
1 bbei	Moisture content	9.7 (Avg)	0/,
Rubbai	anad Central Wood Testing Laboratory	9.7 (AVg)	%

Standard requirement: As per IS 287:1993(3rd revision), permissible moisture content of timber for doors and windows (50mm and above in thickness) can be 10% (Zone-1, avg. annual RH less than 40%),12%(Zone-II, avg. annual RH 40-50%), 14%(Zone-III, avg. annual RH 50-67%), 16%(Zone-IV, avg. annual RH more than 67%).

Remarks: Kerala comes under Zone IV. Sample meets the standard requirement.

LAB ASST. (CHEMISTRY)

Authorized Signatory

UMASANKAR G **DEPUTY DIRECTOR (Engg)**

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केरल, भारत Kerala, India

TEST REPORT

CUSTOMER'S NAME & ADDRESS M/s COLONIAL LUMBERS LLP Ponnurikkippara Poyil (P.O), Pariyaram

Certificate No : 47/M/5/1-2025

Date of Issue : 19/03/2025

Date of sample receipt : 17/03/2025

Date of sample testing : 18/03/2025

Sample name : Rubber wood sample

Sample description : 300x18x18mm

Ref. No. : Your Test request Email dated 07-03-2025

Code on sample : NIL

Kannur-670502

Test method : IS 1708 part 5: 1986

Lab code : 52/M/5/1

Results: Static bending strength test (Parallel to FJ profile) at 12± 2 % mc

Sample size: 28.8x1.8x1.8 cm

Test code	MOR	Max Load	FS at LP	HS at LP	HS at ML	MOE
Boshead Con	kg/cm ²	kg	kg/cm ²	kg/cm ²	kg/cm ²	kg/cm ²
52-m-5-1a	630.5	88.8	530.4	17.5	20.9	62176.9
52-m-5-1b	364.9	51.3	240.1	7.9	12.1	55555.2
52-m-5-1c	674.3	97.6	578.2	19.4	22.6	70468.8

MOR-Modulus of Rupture, MOE-Modulus of Elasticity, FS at LP-Fibre stress at limit of proportionality, HS at LP -Horizontal shear stress at limit of proportionality, HS at ML-Horizontal shear stress at Max load.

Remarks: NIL

JAYASREE.C.E LAB ASST. (CHEMISTRY)

Authorized Signatory

TOTAL WOOD TESTING LABOR

UMASANKAR G DEPUTY DIRECTOR (Engg)

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केरल, भारत Kerala, India



TEST REPORT

CUSTOMER'S NAME & ADDRESS M/s COLONIAL LUMBERS LLP Ponnurikkippara Poyil (P.O), Pariyaram Kannur-670502

Certificate No 47/M/5/2-2025 Date of Issue : 19/03/2025 Date of sample receipt : 17/03/2025 Date of sample testing : 18/03/2025

Sample name : Rubber wood sample

Sample description : 300x18x18mm

Ref. No.

Your Test request Email dated 07-03-2025

Code on sample

Test method

IS 1708 part 5: 1986

Lab code

52/M/5/2

Results: Static bending strength test (Perpendicular to FJ profile)at 12± 2 % mc

Sample size: 28.8x1.8x1.8 cm

Test code	MOR	Max Load	FS at LP	HS at LP	HS at ML	MOE
oerboan tem Derboad Card	kg/cm ²	kg	kg/cm ²	kg/cm ²	kg/cm ²	kg/cm ²
52-m-5-2a	360.3	53.5	353.6	12.0	12.2	49916.3
52-m-5-2b	550.2	81.7	455.3	15.5	18.7	61984.8
52-m-5-2c	612.4	86.3	524.4	17.4	20.3	67048.9

MOR-Modulus of Rupture, MOE-Modulus of Elasticity, FS at LP-Fibre stress at limit of proportionality, HS at LP -Horizontal shear stress at limit of proportionality, HS at ML-Horizontal shear stress at Max load.

Remarks: NIL

JAYASREE.C.E LAB ASST. (CHEMISTRY) Authorized Signatory

UMASANKAR G DEPUTY DIRECTOR (Engg)

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केरल, भारत Kerala, India



TEST REPORT

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CUSTOMER'S NAME & ADDRESS M/S COLONIAL LUMBERS LLP Ponnurikkippara Poyil (P.O), Pariyaram Kannur-670502

Certificate No : 47/M/5/3-2025

Date of Issue : 19/03/2025

Date of sample receipt : 17/03/2025

Date of sample testing : 18/03/2025

Sample name : Rubber wood sample Sample description : 300x18x18mm

Ref. No. : Your Test request Email dated 07-03-2025

Code on sample : NIL

Test method : IS 1708 part 5: 1986

Lab code : 52/M/5/3

Results: Static bending strength test (Parallel to EG profile) at 12± 2 % mc

Sample size: : 28.8x1.8x1.8 cm

Test code	MOR	Max Load	FS at LP	HS at LP	HS at ML	MOE
perboad Cen	kg/cm ²	kg	kg/cm ²	kg/cm ²	kg/cm ²	kg/cm ²
52-m-5-3a	780.2	110.5	512.6	17.0	25.9	91836.5
52-m-5-3b	770.4	111.9	623.1	20.7	25.6	84152.2
52-m-5-3c	606.4	87.0	606.4	20.2	20.2	74384.8

MOR-Modulus of Rupture, MOE-Modulus of Elasticity, FS at LP-Fibre stress at limit of proportionality, HS at LP -Horizontal shear stress at limit of proportionality, HS at ML-Horizontal shear stress at Max load.

Remarks: NIL

JAYASREE.C.E LAB ASST. (CHEMISTRY) Authorized Signatory

UMASANKAR G DEPUTY DIRECTOR (Engg)

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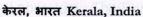
दरभाष Phone: + 91 - 481 257 7378 फेक्स Fax: + 91 - 481 257 4751

केंद्रीय काष्ठ परीक्षण प्रयोगशाला, रबड बोर्ड CENTRAL WOOD TESTING LABORATORY, THE RUBBER BOARD



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TEST REPORT

CUSTOMER'S NAME & ADDRESS M/S COLONIAL LUMBERS LLP **Ponnurikkippara** Poyil (P.O), Pariyaram Kannur-670502

Certificate No 47/M/5/4-2025 Date of Issue : 19/03/2025 Date of sample receipt: 17/03/2025 Date of sample testing: 18/03/2025

Sample name : Rubber wood sample

Sample description : 300x18x18mm

Ref. No. Your Test request Email dated 07-03-2025

Code on sample NIL

Test method IS 1708 part 5: 1986

Lab code 52/M/5/4

Results: Static bending strength test (Perpendicular to EG profile) at 12± 2 % mc

Sample size: : 28.8x1.8x1.8 cm

Test code	MOR	Max Load	FS at LP	HS at LP	HS at ML	MOE
barbasi Cant	kg/cm ²	kg	kg/cm ²	kg/cm ²	kg/cm ²	kg/cm ²
52-m-5-4a	1022.8	148.4	738.8	24.5	33.9	91674.0
52-m-5-4b	802.5	115.9	524.1	17.5	26.8	89748.7
52-m-5-4c	699.1	98.9	507.5	16.9	23.3	64131.2

MOR-Modulus of Rupture, MOE-Modulus of Elasticity, FS at LP-Fibre stress at limit of proportionality, HS at LP -Horizontal shear stress at limit of proportionality, HS at ML-Horizontal shear stress at Max load.

Remarks: NIL

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UMASANKAR G **DEPUTY DIRECTOR (Engg)**

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CENTRAL WOOD TESTING LABORATORY, THE RUBBER BOARD

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केरल, भारत Kerala, India



TEST REPORT

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Customer's Name & Address

M/s COLONIAL LUMBERS LLP Ponnurikkippara Poyil (P.O), Pariyaram Kannur-670502 Certificate No : 47/M/8/1-2025
Date of Issue : 19/03/2025
Date of sample receipt : 17/03/2025
Date of sample testing : 18/03/2025

Sample name : Rubber wood sample

Sample description : 320x50x18mm

Ref. No. : Your Test request Email dated 07-03-2025

Code on sample : NIL

Test method : IS 1708 part 12: 1986

Lab code : 52/M/8/1

Results: Tensile strength test (parallel to FJ profile) at 12% mc

Sample size: 32.5x5x1.5 cm

Test Code	Max Load	TS at ML
Doerboad Lenii	kg	kg/cm ²
52-m-8-1a	352.9	718.1
52-m-8-1b	231.9	471.9
52-m-8-1b	385.4	784.3

TS at ML -Tensile stress at max load

Remarks: NIL

JAYASREE.C.E LAB ASST. (CHEMISTRY)

Authorized Signatory

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UMASANKAR G DEPUTY DIRECTOR (Engg)

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केरल, भारत Kerala, India



TEST REPORT

Customer's Name & Address

M/S COLONIAL LUMBERS LLP Ponnurikkippara Poyil (P.O), Pariyaram Kannur-670502 Certificate No : 47/M/8/2-2025
Date of Issue : 19/03/2025
Date of sample receipt : 17/03/2025
Date of sample testing : 18/03/2025

Sample name : Rubber wood sample

Sample description : 320x50x18mm

Ref. No. : Your Test request Email dated 07-03-2025

Code on sample : NIL

Test method : IS 1708 part 12: 1986

Lab code : 52/M/8/2

Results: Tensile strength test (parallel to EG profile) at 12% mc

Sample size: 32.5x5x1.5 cm

Test Code	Max Load	TS at ML
operoose Gentr	kg	kg/cm ²
52-m-8-2a	465.6	947.5
52-m-8-2b	443.5	902.6
52-m-8-2b	345.7	703.6

TS at ML -Tensile stress at max load

Remarks: NIL

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Authorized Signatory

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TEST REPORT

CUSTOMER'S NAME & ADDRESS

M/S COLONIAL LUMBERS LLP

Ponnurikkippara Poyil (P.O), Pariyaram

Kannur-670502

Certificate No : 47/M/17/1-2025

Date of Issue : 19/03/2025 Date of sample receipt : 17/03/2025

Date of sample testing : 18/03/25-19/03/2025 Sample name : Rubber wood sample

Sample description : 75x40x18mm

Ref. No. : Your Test request Email dated 07-03-2025

Code on sample : NIL

Test method : JAS 1996 for glued laminated timber

Lab code : 52/M/17/1

Results: Boiling water soak delamination test

Test	Length of glue line (EG)		DLM	DLM	DLM DLM Side A Side B	DLM	Total delamination		Ratio of delamination
Code			Side A	Side A		ide B Side B			
	Side A	Side B	end-1	end-2	end-1	end-2	Side A	Side B	lesting Labor
Kubberboat	mm	mm	mm	mm	mm	mm	mm	mm	%
52/M/17/1a	75.52	75.15	0	0	0	0	0	0	0
52/M/17/1b	75.48	75.47	0	0	0	0	0	0	TUBURY LUNC
52/M/17/1c	75.30	75.39	0	0	0	0	0	0	0

DLM - delamination

Remarks: Samples after test having delamination ratio less than 5% is passed..

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TEST REPORT

CUSTOMER'S NAME & ADDRESS

M/S COLONIAL LUMBERS LLP Ponnurikkippara

Poyil (P.O), Pariyaram Kannur-670502 Certificate No : 47/M/18/1-2025

Date of Issue : 19/03/2025 Date of sample receipt : 17/03/2025

Date of sample testing : 18/03/25-19/03/2025 Sample name : Rubber wood sample

Sample description : 75x40x18mm

Ref. No.

Your Test request Email dated 07-03-2025

Code on sample

NIL

Test method

: JAS 1996 for glued laminated timber

Lab code : 52/M/18/1

Results: Cold water soak delamination test

Test	Length of glue line (EG)		DLM DLM		DLM	DLM	DLM Total		Ratio of
Code			Side A	Side A	Side B	de B Side B	delamination		delamination
Rubberboad	Side A	Side B	end-1	end-2	end-1	end-2	Side A	Side B	Testing Labor
Rupperboas	mm	mm	mm	mm	mm	mm	mm	mm	%
52/M/18/1a	75.48	75.35	0	0	0	0	0	0	0
52/M/18/1b	75.16	75.13	0	0	0	0	0	0	0
52/M/18/1c	75.20	75.56	0	0	0	0	0	0	0

DLM - delamination

Remarks: Samples after test having delamination ratio less than 10% is passed.

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JAYASREE.C.E LAB ASST. (CHEMISTRY) Authorized Signatory THAL WOOD TESTING UN

UMASANKAR G DEPUTY DIRECTOR (Engg)

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TEST REPORT

CUSTOMER'S NAME & ADDRESS

M/S COLONIAL LUMBERS LLP Ponnurikkippara Poyil (P.O), Pariyaram

Certificate No. 47/C/3/1-2025 Date of Issue 19/03/2025 Date of sample receipt: 17/03/2025

Date of sample testing : 17/03/25-19/03/2025 Sample name Rubber wood sample Sample description : 300x18x18mm

Your Test request Email dated 07-03-2025

Code on sample NIL

Kannur-670502

Test report as per IS 2753 part1:1991

Lab code 52/C/3/1

Results:

SI No	Parameters Tested	Result	Unit
Rub Rub	Quantity of Boron as *BAE present in the wood sample	5.10	kg/m³

^{*} Boric acid Equivalent

Standard requirement: As per IS 401:2001, the recommended absorption of Boric acid Borax treated timber is 5 kg/m³ for the commodity furniture, cupboard etc.

Remarks: Sample meets the standard requirement.

LAB ASST. (CHEMISTRY)

Authorized Signatory

रवड़ बोर्ड । RUBBER BOA

UMASANKAR G DEPUTY DIRECTOR (Engg)

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