



हिन्दुस्तान परीक्षण शाला

HINDUSTAAN TEST HOUSE

TC-7509

Laboratory

: Plot No. 36, Sector-1, HSIIDC IGC Saha, Ambala Cantt - 133 104 (Haryana)
Mob. : 07876399888, 9355002828 • E-mail : hindustaanesthouse@gmail.com

TEST REPORT

Page 1 of 3

Issued to: RIANGDO VENEERS PRIVATE LIMITED	Job No.: HTH/TR/22/041928
Address: Barapani Industrial Area Opposite RKB Cement, Umiam, RI Bhol Meghalaya, India-793103	ULR No.: TC750922000000570F
Test Report As per IS: 303-1989, Amendment No.-06	Issued date: 07.06.2022

PART A: PARTICULARS OF TEST ITEM

Sample description: Plywood for General Purpose (Grade BWR, Type AA, 15 ply)	Sample Quantity: One
Declared values, if any: ---	Sample Size: 2440x 1220x 25 mm
Date of receipt: 19.04.2022	Code No.: 10357136/2022/SS/1
Batch No. & Mfg date: 01 & 11.04.2022	BIS seal: NA
Any other Information/Expiry date, if any: ---	IO's Signature: NA
Date of commencement of Testing: 24.04.2022	QR Code: 100000223683
Date of Completion of Testing: 07.06.2022	Encoded Code: 22ME036

PART B: SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure, wherever applicable	: NA
b) Supporting documents taken and results derived graphs, tables, sketches and/or photographs as appropriate to test report, if any (To be attached)	: NA
c) Deviation from the test methods as prescribed in relevant ISS, work Instructions, if any	: NA

PART C: RESULTS OF ANALYSIS

I. Mechanical (Wood & Wood Products)

S. No.	Test Parameter(s)(Clause)	Unit	Result(s)/ Observation (s)	Specified Values/ Tolerance	Test Method
1.	Type of surface of Plywood (Cl. 5)	---	AA	AA/AB/BB	IS: 303-1989
2.	Surface Defect (Cl. 5.2, Table 1)	---	Satisfactory	Satisfactory	IS: 303-1989
	Surface Type	---	Type A	Type A / Type B	
	I. Blister	---	Nil	Nil	
	II. Checks				
	a) Individual	mm	32	50 (Max.)	
	b) Total	mm/m ²	128	300 (Max.)	

Pawan
Analyst

Rakesh
Authorized Signatory

- Note :**
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हिन्दुस्तान परीक्षण शाला HINDUSTAN TEST HOUSE



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TC-7509

TEST REPORT

Page 2 of 3

Issued to: RIANGDO VENEERS PRIVATE LIMITED

Job No.: HTH/TR/22/041926

Address: Barapani Industrial Area

ULR No.: TC750922000000570F

Opposite RKB Cement, Umiam, RI Bhoi

Meghalaya, India-793103

Issued date: 07.06.2022

Test Report As per IS: 303-1989, Amendment No.-06

S. No.	Test Parameter(s)(Clause)	Unit	Result(s)/ Observation (s)	Specified Values/ Tolerance	Test Method
	III. Discoloration	---	Nil	Nil	
	IV. Dote	cm/m ²	1	5 (Max.)	
	V. Insect hole	holes/m ²	Nil	12 (Max.)	
	VI. Joints	---	Nil	One joint for every multiple of 200 mm	
	VII. Knots (dead)	---	Nil	2 up to 12 mm dia/m ²	
	VIII. Pin knots (dead)	---	Nil	2/m ² (Max.)	
	IX. Pin knots (live)	---	Nil	No Restriction	
	X. Knots (tight)	---	Nil	6 up 25 mm dia/m ²	
	XI. Patches	---	Nil	4 patches/m ²	
	XII. Splits	---	Nil	2 (Max.)	
	XIII. Swirl	---	Not observed	Unlimited	
3.	Dimensions (Cl. 8)				IS: 303-1989
	a) Length	mm	2442 (+2)	+6, -0	
	b) Width	mm	1222 (+2)	+3, -0	
	c) Thickness	mm	25.23 (+0.92%)	± 5 %	
	d) Edge Straightness	%	0.08	0.2 (Max.)	
	a) Squareness	%	0.11	0.2 (Max.)	
4.	Workmanship & Finish (Cl. 9)	---	Satisfactory	Faces shall be reasonably smooth	IS: 303-1989
5.	Glue Adhesion (Clause 11.2)				IS 303-1989
	a) Water Resistance Test (Cl. 11.2.1)	---	Pass Standard	Shall be minimum pass	IS: 1734 (P5) 1983
	b) Mycological Test (Cl. 11.2.2)	---	NA	---	---

Pawan
Analyst

Raketa
Authorized Signatory

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TEST REPORT

Page 3 of 3

Issued to: RIANGDO VENEERS PRIVATE LIMITED Job No.: HTH/TR/22/041928
Address: Barapani Industrial Area ULR No.: TC750922000000570F
Opposite RKB Cement, Umiam, RI Bhol
Meghalaya, India-793103 Issued date: 07.06.2022
Test Report As per IS: 303-1989, Amendment No.-06

S. No.	Test Parameter(s)(Clause)	Unit	Result(s)/ Observation (s)	Specified Values/ Tolerance	Test Method
6.	Moisture Content (Cl. 11.3)	%	7.56	5 – 15	IS: 1734 (P1) 1983
7.	Static Bending Strength (Cl. 11.4)				IS: 303-1989 IS: 1734 (P11) 1983
	a) Modulus of Elasticity	N/mm ²			
	I. Along the grain direction				
	i. Average		5347.94	5000 (Min.)	
	ii. Minimum, individual		5081.46	4500 (Min.)	
	II. Across the Grain Direction				
	i. Average		4039.54	2500 (Min.)	
	ii. Minimum, individual		3799.92	2200 (Min.)	
	b) Modulus of Rupture	N/mm ²			
	I. Along the grain direction				
	i. Average		46.47	40 (Min.)	
	ii. Minimum, individual		41.67	36 (Min.)	
	II. Across the Grain Direction				
	i. Average		48.45	20 (Min.)	
	ii. Minimum, individual		45.66	18 (Min.)	

PART D: REMARKS: ---

Pawam
Analyst


Authorized Signatory

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No 09617



हिन्दुस्तान परीक्षण शाला HINDUSTAAN TEST HOUSE

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TEST REPORT

Page 1 of 1

Issued to: RIANGDO VENEERS PRIVATE LIMITED **Job No.:** HTH/TR/22/041927
Address: Barapani Industrial Area
Opposite RKB Cement, Umliam, RI Bhol
Meghalaya, India-793103 **Issued date:** 07.06.2022
Test Report As per IS: 303-1989 (Amend No.-06)

PART A: PARTICULARS OF TEST ITEM

Sample description: Face Veneer (Gurjan) **Sample Quantity:** One
Declared values, if any: --- **Sample Size:** 2440 x 1220 x 0.5 mm
Date of receipt: 19.04.2022 **Code No.:** 10357136/2022/SS/1
Batch No. & Mfg date: --- & --- **BIS seal:** NA
Any other Information/Expiry date, if any: --- **IO's Signature:** NA
Date of commencement of Testing: 24.04.2022 **QR CODE:** 10000223683
Date of Completion of Testing: 07.06.2022

PART B: SUPPLEMENTARY INFORMATIONS

- a) Reference to sampling procedure, wherever applicable : NA
b) Supporting documents taken and results derived graphs, tables, sketches and/or photographs as appropriate to test report, if any (To be attached) : NA
c) Deviation from the test methods as prescribed in relevant ISS, work Instructions, if any : NA

PART C: RESULTS OF ANALYSIS

I. Mechanical (Wood & Wood Products)

S. No.	Test Parameter(s)(Clause)	Unit	Result(s)/Observation (s)	Specified Values/ Tolerance	Test Method
1.	Moisture Content	%	8.69	---	IS: 303-1989
2.	Thickness	mm	0.52 (+4.00%)	± 5%	IS: 303-1989
3.	Species	---	Gurjan	---	As per manufacturer declaration

PART D: REMARKS: ---

Pawan
Analyst

Authorized Signatory

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No 09618



हिन्दुस्तान परीक्षण शाला

HINDUSTAN TEST HOUSE

Laboratory : Plot No. 36, Sector-1, HSIIDC IGC Saha, Ambala Cantt - 133 104 (Haryana)
Mob. : 07876399888, 9355002828 • E-mail : hindustaantesthouse@gmail.com

Page 1 of 1

TEST REPORT

Issued to: RIANGDO VENEERS PRIVATE LIMITED Job No.: HTH/TR/22/041928
Address: Barapani Industrial Area,
Opposite RKB Cement, Umiam, RI Bhoi,
Meghalaya, India-793103 Issued date: 07.06.2022
Test Report As per IS 303-1989 (Amend No. 06)

PART A: PARTICULARS OF TEST ITEM

Sample description: Core Veneer/Cross Band (Makai) Sample Quantity: One
Sample Size: 1200 x 600 x 2.10 mm
Declared values, if any: --- Code No.: 10357136/2022/SS/1
Date of receipt: 19.04.2022 BIS seal: NA
Batch No. & Mfg date: --- & --- IO's Signature: NA
Any other Information/Expiry date, if any: ---
Date of commencement of Testing: 24.04.2022 QR CODE: 100000223683
Date of Completion of Testing: 07.06.2022

PART B: SUPPLEMENTARY INFORMATIONS

- a) Reference to sampling procedure, wherever applicable : NA
b) Supporting documents taken and results derived graphs, tables, sketches and/or photographs as appropriate to test report, if any (To be attached) : NA
c) Deviation from the test methods as prescribed in relevant ISS, work Instructions, if any : NA

PART C: RESULTS OF ANALYSIS

I. Mechanical (Wood & Wood Products)

S. No.	Test Parameter(s)/ (Clause)	Unit	Result(s)/ Observation (s)	Specified Values/ Tolerance	Test Method
1.	Moisture Content	%	8.91	---	IS 303-1989
2.	Thickness	mm	2.13 (+1.43%)	±5%	IS 303-1989
3.	Species	---	Makai	---	As per manufacturer declaration

PART D: REMARKS: ---

Pawan
Analyst

Rakesh
Authorized Signatory

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हिन्दुस्तान परीक्षण शाला HINDUSTAN TEST HOUSE

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TEST REPORT

Page 1 of 2

Issued to: RIANGDO VENEERS PRIVATE LIMITED **Job No.:** HTH/TR/22/041929
Address: Barapani Industrial Area **ULR No.** TC750922000000571F
Opposite RKB Cement, Umiam, RI Bhol
Meghalaya, India-793103 **Issued date:** 07.06.2022
Test Report As per IS: 848-2006, Amendment No.-02

PART A: PARTICULARS OF TEST ITEM

Sample description: Synthetic Resin Adhesives for Plywood (BWR-Grade)	Sample Quantity: One
Declared values, if any: ---	Sample Size: 5 L
Date of receipt: 19.04.2022	Code No.: 10357136/2022/SS/2
Batch No. & Mfg date: Trail Batch No. 01 & 09.04.2022	BIS seal: NA
Any other Information/Expiry date, If any: Shelf Life 35 days	IO's Signature: NA
Date of commencement of Testing: 23.04.2022	QR Code: 100000223684
Date of Completion of Testing: 12.05.2022	Encoded Code: 22CB7DE

PART B: SUPPLEMENTARY INFORMATIONS

- a) Reference to sampling procedure, wherever applicable : NA
b) Supporting documents taken and results derived graphs, tables, sketches and/or photographs as appropriate to test report, if any (To be attached) : NA
c) Deviation from the test methods as prescribed in relevant ISS, work Instructions, if any : NA

PART C: RESULTS OF ANALYSIS

I. Mechanical (Wood & Wood Products)

S. No.	Test Parameter(s)(Clause)	Unit	Result(s)/ Observation (s)	Specified Values/ Tolerance	Test Method
1.	Cyclic Test (BWR Grade) (Cl. 7.3) a) Three cycles: Each cycle consisting of 8 hrs boiling in water and there after drying at 65 ±2°C for 16 hrs b) Visual Examination (Cl. 7.3.3.1)	---	No separation of plies at edges or surface Satisfactory	Shall not be show any separation of plies at the edges and/or surface at the end of three cycles No delamination/ separation of plies observed at the edges/surface of the specimen.	IS: 848-2006

Rahul Sharma
Analyst

Rahul Sharma
Authorized Signatory

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TC-7509

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TEST REPORT

Page 2 of 2

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Job No.: HTH/TR/22/041929

Address: Barapani Industrial Area

ULR No. TC750922000000571F

Opposite RKB Cement, Umiam, RI Bhol

Meghalaya, India-793103

Issued date: 07.06.2022

Test Report As per IS: 848-2006, Amendment No.-02

S. No.	Test Parameter(s)(Clause)	Unit	Result(s)/ Observation (s)	Specified Values/ Tolerance	Test Method
	c) Adhesion of Plies (Cl. 7.3.3.2)	---	Pass Standard	Wood failure Shall be predominant and shall be more than 75% for excellent bond and not less than 50% for pass standard. For less than 50 % wood failure, the specimen shall be considered as failed.	IS: 1734(P5) 1983
2.	Quality of Resin Adhesives (Cl. 5)	---	Satisfactory	Shall comply with the requirements specified in 7, when the resin and hardener have been stored in closed containers under conditions as specified by the resin adhesive manufacturer and the adhesive is tested within the shelf life.	IS: 848-2006

II. Chemical (Industrial & Fine Chemicals)

1.	Acidity and Alkalinity (pH), (Cl. 7.4)	---	9.86	Not less than 2.0	IS: 848-2006
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PART D: REMARKS: ---

Rahul Sharma
Analyst

Rakesh
Authorized Signatory

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TEST REPORT

Page 1 of 2

Issued to: RIANGDO VENEERS PRIVATE LIMITED
Address: Barapani Industrial Area
Opposite RKB Cement, Umiam, RI Bhoi
Meghalaya, India-793103
Test Report As per IS: 848-2006, Amendment No.-02

Job No.: HTH/TR/22/0419930
ULR No. TC750922000000572F
Issued date: 07.06.2022

PART A: PARTICULARS OF TEST ITEM

Sample description: Synthetic Resin Adhesives for Plywood (BWP-Grade)
Declared values, if any: ---
Date of receipt: 19.04.2022
Batch No. & Mfg date: Trial Batch No. 01 & 11.04.2022
Any other Information/Expiry date, if any: Shelf life 35 days
Date of commencement of Testing: 23.04.2022
Date of Completion of Testing: 12.05.2022

Sample Quantity: One
Sample Size: 5 L
Code No.: 1037136/2022/SS/3
BIS seal: NA
IO's Signature: NA
QR Code: 10000223685
Encoded Code: 22C9C0A

PART B: SUPPLEMENTARY INFORMATIONS

- a) Reference to sampling procedure, wherever applicable : NA
b) Supporting documents taken and results derived graphs, tables, sketches and/or photographs as appropriate to test report, if any (To be attached) : NA
c) Deviation from the test methods as prescribed in relevant ISS, work Instructions, if any : NA

PART C: RESULTS OF ANALYSIS

I. Mechanical (Wood & Wood Products)

S. No.	Test Parameter(s)(Clause)	Unit	Result(s)/ Observation (s)	Specified Values/ Tolerance	Test Method
1.	Cyclic Test (BWP Grade) (Cl. 7.3) a) Six cycles: Each cycle consisting of 8 hrs boiling in water and there after drying at 65 ±2°C for 16 hrs b) Visual Examination (Cl. 7.3.3.1)	---	No separation of plies at edges or surface Satisfactory	Shall not be show any separation of plies at the edges and/or surface at the end of six cycles No delamination/ separation of plies observed at the edges/surface of the specimen.	IS: 848-2006

Rohit Sharma
Analyst

Rohit Sharma
Authorized Signatory

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No 09622



TC-7509

Laboratory

हिन्दुस्तान परीक्षण शाला

HINDUSTAAN TEST HOUSE

HTH

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Page 2 of 2

Issued to: RIANGDO VENEERS PRIVATE LIMITED

Job No.: HTH/TR/22/0419930

Address: Barapani Industrial Area

ULR No. TC750922000000572F

Opposite RKB Cement, Umiam, RI Bhoi

Issued date: 07.06.2022

Meghalaya, India-793103

Test Report As per IS: 848-2006, Amendment No.-02

S. No.	Test Parameter(s)(Clause)	Unit	Result(s)/ Observation (s)	Specified Values/ Tolerance	Test Method
	c) Adhesion of Plies (Cl. 7.3.3.2)	---	Pass Standard	Wood failure Shall be predominant and shall be more than 75% for excellent bond and not less than 50% for pass standard. For less than 50% wood failure, the specimen shall be considered as failed.	IS: 1734(P5) 1983
2.	Quality of Resin Adhesives (Cl. 5)	---	Satisfactory	Shall comply with the requirements specified in 7, when the resin and hardener have been stored in closed containers under conditions as specified by the resin adhesive manufacturer and the adhesive is tested within the shelf life.	IS: 848-2006

II. Chemical (Industrial & Fine Chemicals)

1.	Acidity and Alkalinity (pH), (Cl. 7.4)	---	10.12	Not less than 2.0	IS: 848-2006
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PART D: REMARKS: ---

Rohel Sharma
Analyst

Rakesh Kumar
Authorized Signatory

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No 09623