



हिन्दुस्तान परीक्षण शाला HINDUSTAN TEST HOUSE



TC-7509 Laboratory

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

TEST REPORT

Page 1 of 3

Issued to: REGENCY WOOD PANEL PVT LTD	Job No.: HTH/TR/21/090718
Address: 106, 1 st Floor, Palm Beach Gallena Plot No. 17, Sector 19D, Vashi Navi Mumbai-400703, India	ULR No.: TC7509210000000254F
	Issued date: 04.10.2021

PARTICULARS OF TEST ITEM

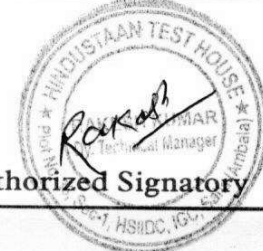
Sample description: Plywood for Concrete Shuttering Works (Grade BWP, Type 3, Designation CSFF, Brand-REGENCY)	Sample Quantity: One
	Sample Size: 2440 x 1220 x 19 mm
Date of receipt: 07.09.2021	Date of Manufacturing: 03.08.2021
Batch No.: ---	Date of Testing: 04.10.2021

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. 4)	---	CSFF	CS/CSC/CSFF	IS: 4990-2011
2.	Dimension and Tolerances (Cl. 7)				IS: 4990-2011
	a) Length	mm	2443 (+3)	+6, -0	
	b) Width	mm	1222 (+2)	+3, -0	
	c) Thickness	mm	19.31 (+1.63%)	± 5 %	
	d) Edge Straightness	%	0.09	0.2 (Max.)	
	e) Squareness	%	0.16	0.2 (Max.)	
3.	Workmanship and Finish (Cl. 8)	---	Satisfactory	Satisfactory	IS: 4990-2011
4.	Moisture Content (Cl. 9.1.1)	%	7.69	5 - 15	IS: 1734 (P1) 1983
5.	Glue Adhesion in Dry State (Cl. 10.1.2)				IS: 4990-2011
	a) Glue Shear Strength				IS: 1734 (P4) 1983
	i. Average Failing Load	N	1710	1350 (Min.)	
	ii. Average Wood Failure	---	No Requirement	As per table-1	
	b) Adhesion of Plies	---	Pass Standard	Shall be min. Pass Standard	IS: 1734 (P5) 1983
6.	Water Resistance Test (Cl. 10.1.3)				IS: 4990-2011
	a) Glue Shear Strength				IS: 1734 (P4) 1983
	I. Average Failing Load	N	1447	1000 (Min.)	
	II. Average Wood Failure	---	No Requirement	As per table-1	
	b) Adhesion of Plies	---	Pass Standard	Shall be Min. Pass Standard	IS: 1734 (P5) 1983


Analyst


Authorized Signatory

- Note :
1. The above Results relate only to the Item tested.
 2. Samples are not drawn by Hindustaan Test House.
 3. Total liability of Hindustaan Test House is limited to invoiced amount.
 4. The Test-Report is not to be reproduced wholly or in part and cannot be used as in court of Law and should not be used as evidence in the court.
 5. Hindustaan Test House is an NABL accredited and BIS approved laboratory

11/1/21



हिन्दुस्तान परीक्षण शाला HINDUSTAN TEST HOUSE



TC-7509 Laboratory

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

TEST REPORT

Page 2 of 3

Issued to: REGENCY WOOD PANEL PVT LTD	Job No.: HTH/TR/21/090718
Address: 106, 1 st Floor, Palm Beach Gallena Plot No. 17, Sector 19D, Vashi Navi Mumbai-400703, India	ULR No.: TC7509210000000254F Issued date: 04.10.2021

S. No.	Test Parameter(s)(Clause)	Unit	Result(s)/ Observation (s)	Specified Values/ Tolerance	Test Method
7.	Visual observation of Surface Layer after being subjected to 72 hrs boiling (Cl. 10.1.4)	---	No sign of softening, checking, cracking or deterioration on the surface layer	Shall not show any softening, checking, cracking or deterioration of the surface layer	IS: 4990-2011
8.	Mycological Test (Clause 10.1.5)				
	a) Edge of the Specimen	---	No sign of Separation at edges	Shall be no sign of separation	IS: 1734(P7) 1983
	b) Glue Shear Strength				
	I. Average Failing Load	N	1206	1000 (Min.)	IS: 1734 (P4) 1983
	II. Average Wood Failure	---	No Requirement	As per table-1	
	a) Adhesion of Plies	---	Pass Standard	Shall be Min. Pass Standard	IS: 1734 (P5) 1983
9.	Tensile Strength (Clause 10.1.6)	N/mm ²			IS: 1734 (P9) 1983
	b) Along the grain direction		55.69	32.5 (Min.)	
	c) Across the grain direction		42.50	22.5 (Min.)	
	c) Sum of Tensile Strength (a + b)		98.19	60.0 (Min.)	
10.	Static Bending Strength (Cl. 10.1.7)				IS: 4990-2011 IS: 1734 (P11) 1983
	a) Modulus of Elasticity	N/mm ²			
	I. Along the grain direction				
	i. Average		8032.01	7500 (Min.)	
	ii. Minimum, individual		7647.12	6700 (Min.)	
	II. Across the Grain Direction				
	i. Average		5175.24	4000 (Min.)	
	ii. Minimum, individual		4894.13	3600 (Min.)	
	b) Modulus of Rupture	N/mm ²			
	I. Along the grain direction				
	i. Average		54.75	50 (Min.)	
	ii. Minimum, individual		51.47	45 (Min.)	
	II. Across the Grain Direction				
	i. Average		42.46	30 (Min.)	
	ii. Minimum, individual		43.61	27 (Min.)	

R.K. Mohan
Analyst

Raj Kumar
Authorized Signatory
Technical Manager
Hindustaan Test House
Plot No. 36, Sector-1, HSIIDC, IGC, Saha, Ambala Cantt (Haryana)

- Note :
1. The above Results relate only to the Item tested.
 2. Samples are not drawn by Hindustaan Test House.
 3. Total liability of Hindustaan Test House is limited to invoiced amount.
 4. The Test-Report is not to be reproduced wholly or in part and cannot be used as in court of Law and should not be used as evidence in the court.
 5. Hindustaan Test House is an NABL accredited and BIS approved laboratory

NO 07 / 4 8



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 : hindustaantesthouse@gmail.com

TEST REPORT

Page 3 of 3

Issued to: REGENCY WOOD PANEL PVT LTD Job No.: HTH/TR/21/090718
Address: 106, 1st Floor, Palm Beach Gallena ULR No.: TC7509210000000254F
Plot No. 17, Sector 19D, Vashi
Navi Mumbai-400703, India Issued date: 04.10.2021

S. No.	Test Parameter(s)(Clause)	Unit	Result(s)/ Observation (s)	Specified Values/ Tolerance	Test Method
11.	Wet Bending Strength (Cl. 10.1.8)				IS: 4990-2011 IS: 1734 (P11) 1983
	a) Modulus of Elasticity	N/mm ²			
	I. Along the grain direction				
	i. Average		4281.28	3750 (Min.)	
	ii. Minimum, individual		4146.98	3400 (Min.)	
	II. Across the Grain Direction				
	i. Average		3556.54	2000 (Min.)	
	ii. Minimum, individual		3348.32	1800 (Min.)	
	b) Modulus of Rupture	N/mm ²			
	I. Along the grain direction				
	i. Average		36.01	25 (Min.)	
	ii. Minimum, individual		34.44	22 (Min.)	
	II. Across the Grain Direction				
	i. Average		33.26	15 (Min.)	
	ii. Minimum, individual		31.49	13 (Min.)	
12.	Retention of Preservative (Cl. 10.1.9)	Kg/m ³	12.58	12 (Min.)	IS 2753 (P1) 1991
13.	Formaldehyde Content	mg/100g	3.59	---	IS 13745-2020

-----Specified Value(s) as per IS 4990-2011-----

Raksh
Analyst

Raksh
Authorized Signatory
RAKESH KUMAR
Ambala
HSIIDC, IGC Saha

- Note :
1. The above Results relate only to the Item tested.
 2. Samples are not drawn by Hindustaan Test House.
 3. Total liability of Hindustaan Test House is limited to invoiced amount.
 4. The Test-Report is not to be reproduced wholly or in part and cannot be used as in court of Law and should not be used as evidence in the court.
 5. Hindustaan Test House is an NABL accredited and BIS approved laboratory

NO 1747