



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 1 of 2

Issued to: REGENCY WOOD PANEL PVT LTD	Job No.: HTH/TR/21/090717
Address: 106, 1 st Floor, Palm Beach Gallena Plot No. 17, Sector 19D, Vashi Navi Mumbai-400703, India	ULR No.: TC750921000000253F
	Issued date: 04.10.2021

PARTICULARS OF TEST ITEM

Sample description: Fire Retardant Plywood (Grade- BWR, Type 1, Brand-REGENCY)	Sample Quantity: One
Date of receipt: 07.09.2021	Sample Size: 2440 x 1220 x 19 mm
Batch No.: ---	Date of Manufacturing: 04.08.2021
	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.	Dimension and Tolerance (Cl. 8)				IS: 5509-2021
	a) Length	mm	2442 (+2)	+6, -0	
	b) Width	mm	1222 (+2)	+3, -0	
	c) Thickness	mm	19.38 (+2.00%)	± 5 %	
	d) Edge Straightness	%	0.05	0.2 (Max.)	
	e) Squareness	%	0.06	0.2 (Max.)	
2.	Workmanship & Finish (Cl. 9)		Satisfactory	Shall be reasonably clean to handle and free of dirt and stain other than any uniform colour of the flame retardant solution	IS: 5509-2021
3.	Moisture Content (Cl. 12.1, Table 2)	%	7.83	20 (Max.)	IS: 1734 (P1) 1983
4.	Flammability Test (Cl. 12.1, Table 2)	m, s	36m 13.6s	30 (min.)	IS: 1734 (P3) 1983
5.	Flame Penetration Test (Cl. 12.1, Table 2)	m, s	52m 45.4s	$\frac{15}{6} \times \text{thickness}$ (min.)	IS: 1734 (P3) 1983
6.	Rate of Burning Test (Cl. 12.1, Table 2)	m, s	31m 37.4s	20 (min.)	IS: 1734 (P3) 1983

R. K. Kulkarni
Analyst

R. K. Kulkarni
Authorized Signatory
R. K. Kulkarni, Technical Manager
HINDUSTAAN TEST HOUSE
Plot-1, HSIIDC, IGC, Saha, Ambala Cantt

- 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



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Issued to:	REGENCY WOOD PANEL PVT LTD	Job No.:	HTH/TR/21/090717
Address:	106, 1 st Floor, Palm Beach Gallena Plot No. 17, Sector 19D, Vashi Navi Mumbai-400703, India	ULR No.:	TC750921000000253F
		Issued date:	04.10.2021

S. No.	Test Parameter(s)(Clause)	Unit	Result(s)/ Observation (s)	Specified Values/ Tolerance	Test Method
7.	Water Resistance Test (as per BWR grade) (Cl. 12.2)	---	Pass Standard	Shall be minimum pass	IS 303-1989 IS: 1734 (P5) 1983
8.	Static Bending Strength (Cl. 12.2)				IS: 303-1989 IS: 1734 (P11) 1983
	a) Modulus of Elasticity	N/mm ²			
	I. Along the grain direction				
	i. Average		5288.90	5000 (Min.)	
	ii. Minimum, individual		5075.92	4500 (Min.)	
	II. Across the Grain Direction				
	i. Average		4366.51	2500 (Min.)	
	ii. Minimum, individual		4151.84	2200 (Min.)	
	b) Modulus of Rupture	N/mm ²			
	I. Along the grain direction				
	i. Average		42.99	40 (Min.)	
	ii. Minimum, individual		40.65	36 (Min.)	
	II. Across the Grain Direction				
	i. Average		38.73	20 (Min.)	
	ii. Minimum, individual		36.56	18 (Min.)	
9.	Formaldehyde Content	mg/100g	3.53	---	IS 13745-2020

-----Specified value(s) as per IS 5509-2021-----

Rkumar
Analyst

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

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HTH/21/090717/44



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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

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11/1/21