



# हिन्दुस्तान परीक्षण शाला

# HINDUSTAN TEST HOUSE



Certificate No. :  
T-1737

Laboratory : 80, Industrial Area, Phase-I, Ambala Cantt - 133 001 (Haryana)  
Phone : 0171-2698089, 07876399888 • E-mail : hindustaanesthouse@gmail.com  
Website : www.hindustantesthouse.com  
Postal Address : 79-A, Model Town, Yamuna Nagar - 135001 (Haryana)

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## TEST REPORT

<b>Issued to:</b> FSD Building Materials Pvt Ltd	<b>Job No.:</b> HTH/TR/17/120504(Part 1)
<b>Address:</b> Plot No.7,Khasara No.132/10/2 Ranholla Road, Mundka Village Delhi-110041	<b>Issued date:</b> 02.01.2018

### PARTICULARS OF TEST ITEM

<b>Sample description:</b> Marine Plywood (Brand-Kingdom Plywood, Associate Brand-Gold Premium BWP)	<b>Sample Quantity:</b> One
<b>Date of receipt:</b> 05.12.2017	<b>Sample Size:</b> 2440 x 1220 x 19mm
<b>Batch No:</b> ---	<b>Mfg date:</b> ---
	<b>Date of Testing:</b> 02.01.2018

### RESULTS OF ANALYSIS

S. No.	Test Parameter(s)	Unit	Result(s)	Specified Values	Test Protocol(s)
1.	<b>Dimensions</b>				IS: 710-2010
	a) Length	mm	2441(+1)	+6, -0	
	b) Width	mm	1221(+1)	+3, -0	
	c) Thickness	mm	19.35(+1.84%)	± 5 %	
	d) Edge Straightness	%	0.06	0.2 (Max.)	
	e) Squareness	%	0.14	0.2 (Max.)	
2.	<b>Moisture Content</b>	%	7.57	5 - 15 %	IS: 1734 (P-1) 1983
3.	<b>Glue Adhesion in Dry State</b>				
	a) Glue Shear Strength	N			IS: 1734 (P-4) 1983
	i. Average		1722.38	1350 (Min.)	
	ii. Minimum, individual		1535.60	1100 (Min.)	
	b) Adhesion of Plies	---	Pass Standard	Shall be min. Pass Standard	IS: 1734 (P-5) 1983
4.	<b>Water Resistance Test</b>				IS: 710-2010
	a) Glue Shear Strength	N			IS: 1734 (P-4) 1983
	I. Average		1452.21	1000 (Min.)	
	II. Minimum, individual		1235.47	800 (Min.)	
	b) Adhesion of Plies	---	Pass Standard	Shall be Min. Pass Standard	IS: 1734 (P-5) 1983
5.	<b>Tensile Strength</b>	N/mm <sup>2</sup>			IS: 1734 (P-9) 1983
	a) Along the grain direction		54.98	42 (Min.)	
	b) Across the grain direction		46.52	25 (Min.)	
	c) Sum of Tensile Strength (a + b)		101.51	84.5 (Min.)	

Rajneesh  
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.
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S. No.	Test Parameter(s)	Unit	Result(s)	Specified Values	Test Protocol(s)
6.	<b>Mycological Test</b>				
	a) Edge of the Specimen	---	No sign of separation at edges	Shall be no sign of separation	IS: 1734 (P-7) 1983
	b) Glue Shear Strength	N			IS: 1734 (P-4) 1983
	I. Average		1118.80	1000 (Min.)	
	II. Minimum, individual		1018.06	800 (Min.)	
	c) Adhesion of Plies	---	Pass standard	Shall be Min. Pass Standard	IS: 1734 (P-5) 1983
7.	<b>Static Bending Strength</b>				
	a) <b>Modulus of Elasticity</b>	N/mm <sup>2</sup>			IS: 1734 (P-11) 1983
	I. Along the grain direction				
	i. Average		8037.60	7500 (Min.)	
	ii. Minimum, individual		7834.52	6700 (Min.)	
	II. Across the grain direction				
	i. Average		5649.89	4000 (Min.)	
	ii. Minimum, individual		5433.93	3600 (Min.)	
	b) <b>Modulus of Rupture</b>	N/mm <sup>2</sup>			
	I. Along the grain direction				
	i. Average		54.48	50 (Min.)	
	ii. Minimum, individual		52.52	45 (Min.)	
	II. Across the grain direction				
	i. Average		40.53	30 (Min.)	
	ii. Minimum, individual		38.35	27 (Min.)	
8.	<b>Wet Bending Strength</b> (72 hrs of boiling)				IS: 710-2010
	a) <b>Modulus of Elasticity</b>	N/mm <sup>2</sup>			IS: 1734 (P-11) 1983
	I. Along the grain direction				
	i. Average		4564.73	3750 (Min.)	
	ii. Minimum, individual		4342.03	3400 (Min.)	

*Rajneesh*  
Analyst

*Rajneesh*  
Authorized Signatory



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S. No.	Test Parameter(s)	Unit	Result(s)	Specified Values	Test Protocol(s)
	II. Across the grain direction				
	i. Average		3677.27	2000 (Min.)	
	ii. Minimum, individual		3465.44	1800 (Min.)	
	<b>b) Modulus of Rupture</b>	N/mm <sup>2</sup>			
	I. Along the grain direction				
	i. Average		36.96	25 (Min.)	
	ii. Minimum, individual		34.46	22 (Min.)	
	II. Across the grain direction				
	i. Average		30.80	15 (Min.)	
	ii. Minimum, individual		28.84	13 (Min.)	

----- Specified values as per IS: 710-2010 -----

*Rakesh*  
Analyst

*Rakesh*  
Authorized Signatory



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