



# हिन्दुस्तान परीक्षण शाला

# HINDUSTAAN TEST HOUSE

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

Page 1 of 1

## TEST REPORT

<b>Issued to:</b> FSD Building Materials Pvt Ltd	<b>Job No.:</b> HTH/TR/17/120504(Part 2)
<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-Marquee 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.	Retention of Preservative	Kg/m <sup>3</sup>	12.22	12 (Min.)	IS: 2753 (P-1 & 2) 1991

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

*Rajneesh*  
Analyst

*Manoj Kumar*  
Authorized Signatory  
MANOJ KUMAR  
Technical Manager  
HINDUSTAAN TEST HOUSE  
80, INDUSTRIAL AREA, AMBALA CANTT., HARYANA

- Note :
1. The above Results relate only to the Item tested.
  2. Samples are not drawn by Hindustaan Test House.
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# HINDUSTAN TEST HOUSE



Certificate No. :  
T-1787

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## TEST REPORT

**Issued to:** FSD Building Materials Pvt Ltd **Job No.:** HTH/TR/17/120505(Part 1)  
**Address:** Plot No.7,Khasara No.132/10/2  
Ranholla Road, Mundka Village  
Delhi-110041 **Issued date:** 02.01.2018

### PARTICULARS OF TEST ITEM

**Sample description:** Marine Plywood (Brand-Kingdom Plywood, Associate Brand-Marquee BWP) **Sample Quantity:** One  
**Sample Size:** 2440 x 1220 x 19mm  
**Date of receipt:** 05.12.2017 **Mfg date:** ---  
**Batch No:** --- **Date of Testing:** 02.1.2018

### 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	19.33(+1.74%)	± 5 %	
	d) Edge Straightness	%	0.06	0.2 (Max.)	
	e) Squareness	%	0.15	0.2 (Max.)	
2.	<b>Moisture Content</b>	%	7.45	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		1586.72	1350 (Min.)	
	ii. Minimum, individual		1309.64	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		1386.26	1000 (Min.)	
	II. Minimum, individual		1196.77	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		53.09	42 (Min.)	
	b) Across the grain direction		45.95	25 (Min.)	
	c) Sum of Tensile Strength (a + b)		99.04	84.5 (Min.)	

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Analyst

Rakesh Kumar  
Authorized Signatory

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Page 2 of 3

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<b>Address:</b> Plot No.7,Khasara No.132/10/2 Ranholla Road, Mundka Village Delhi-110041	<b>Issued date:</b> 02.01.2018

S. No.	Test Parameter(s)	Unit	Result(s)	Specified Values	Test Protocol(s)
6.	<b>Mycological Test</b> a) Edge of the Specimen b) Glue Shear Strength I. Average II. Minimum, individual c) Adhesion of Plies	--- N ---	No sign of separation at edges  1183.93 1074.35 Pass Standard	Shall be no sign of separation  1000 (Min.) 800 (Min.) Shall be Min. Pass Standard	IS: 1734 (P-7) 1983  IS: 1734 (P-4) 1983  IS: 1734 (P-5) 1983
7.	<b>Static Bending Strength</b> a) <b>Modulus of Elasticity</b> I. Along the grain direction i. Average ii. Minimum, individual II. Across the grain direction i. Average ii. Minimum, individual b) <b>Modulus of Rupture</b> I. Along the grain direction i. Average ii. Minimum, individual II. Across the grain direction i. Average ii. Minimum, individual	N/mm <sup>2</sup>          N/mm <sup>2</sup>	   8135.00 7953.19  5529.99 5290.24  53.61 51.31  43.74 41.82	   7500 (Min.) 6700 (Min.)  4000 (Min.) 3600 (Min.)  50 (Min.) 45 (Min.)  30 (Min.) 27 (Min.)	IS: 1734 (P-11) 1983
8.	<b>Wet Bending Strength</b> (72 hrs of boiling) a) <b>Modulus of Elasticity</b> I. Along the grain direction i. Average ii. Minimum, individual	N/mm <sup>2</sup>	  4291.13 4067.14	  3750 (Min.) 3400 (Min.)	IS: 710-2010  IS: 1734 (P-11) 1983

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	II. Across the grain direction . i. Average ii. Minimum, individual	N/mm <sup>2</sup>	3950.91 3708.28	2000 (Min.) 1800 (Min.)		
	<b>b) Modulus of Rupture</b>					
	I. Along the grain direction					
	i. Average			35.64	25 (Min.)	
	ii. Minimum, individual			33.91	22 (Min.)	
	II. Across the grain direction					
	i. Average			30.60	15 (Min.)	
	ii. Minimum, individual			28.81	13 (Min.)	

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