



# 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.hindustaantesthouse.com  
**Postal Address** : 79-A, Model Town, Yamuna Nagar - 135001 (Haryana)

**Certificate No. :**  
T-1737

Page 1 of 3

### TEST REPORT

**Issued to:** FSD Building Materials Pvt Ltd **Job No.:** HTH/TR/17/120502(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) **Sample Quantity:** One  
Associate Brand-Silver BWP **Sample Size:** 2440 x 1220 x 19mm  
**Date of receipt:** 05.12.2017 **Mfg date:** ---  
**Batch No:** --- **Date of Testing:** 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	19.29(+1.53%)	± 5 %	
	d) Edge Straightness	%	0.09	0.2 (Max.)	
	e) Squareness	%	0.13	0.2 (Max.)	
2.	<b>Moisture Content</b>	%	7.42	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		1651.23	1350 (Min.)	
	ii. Minimum, individual		1482.39	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		1449.11	1000 (Min.)	
	II. Minimum, individual		1328.39	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		55.09	42 (Min.)	
	b) Across the grain direction		48.04	25 (Min.)	
	c) Sum of Tensile Strength (a + b)		103.15	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.
  5. Hindustaan Test House is an NABL accredited and BIS approved laboratory



# हिन्दुस्तान परीक्षण शाला

# HINDUSTAN TEST HOUSE



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)

Certificate No. :  
T.1737

Page 2 of 3

## TEST REPORT

<b>Issued to:</b> FSD Building Materials Pvt Ltd	<b>Job No.:</b> HTH/TR/17/120502(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

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		1114.25	1000 (Min.)	
	II. Minimum, individual		1048.97	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		7945.63	7500 (Min.)	
	ii. Minimum, individual		7693.80	6700 (Min.)	
	II. Across the grain direction				
	i. Average		5464.61	4000 (Min.)	
	ii. Minimum, individual		5208.67	3600 (Min.)	
	b) <b>Modulus of Rupture</b>	N/mm <sup>2</sup>			
	I. Along the grain direction				
	i. Average		55.53	50 (Min.)	
	ii. Minimum, individual		53.32	45 (Min.)	
	II. Across the grain direction				
	i. Average		40.17	30 (Min.)	
	ii. Minimum, individual		38.12	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		5592.59	3750 (Min.)	
	ii. Minimum, individual		5342.38	3400 (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.
  5. Hindustaan Test House is an NABL accredited and BIS approved laboratory





# हिन्दुस्तान परीक्षण शाला

## HINDUSTAAN TEST HOUSE



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)

Certificate No. :  
T-1737

Page 3 of 3

### TEST REPORT

Issued to: FSD Building Materials Pvt Ltd Job No.: HTH/TR/17/120502(Part 1)  
Address: Plot No.7,Khasara No.132/10/2  
Ranholla Road, Mundka Village  
Delhi-110041 Issued date: 02.01.2018

S. No.	Test Parameter(s)	Unit	Result(s)	Specified Values	Test Protocol(s)
	II. Across the grain direction				
	i. Average		4257.05	2000 (Min.)	
	ii. Minimum, individual		4054.56	1800 (Min.)	
	b) Modulus of Rupture	N/mm <sup>2</sup>			
	I. Along the grain direction				
	i. Average		37.52	25 (Min.)	
	ii. Minimum, individual		35.69	22 (Min.)	
	II. Across the grain direction				
	i. Average		33.98	15 (Min.)	
	ii. Minimum, individual		31.87	13 (Min.)	

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

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.
  5. Hindustaan Test House is an NABL accredited and BIS approved laboratory



# हिन्दुस्तान परीक्षण शाला HINDUSTAN 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/17/120502(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-Silver 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>	12.18	12 (Min.)	IS: 2753 (P-1 & 2) 1991

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

*Rajneesh*  
Analyst

*Manoj Kumar*  
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