



**CIVIL-AID**

Ref: CIVIL-AID: MT: PW:BL/580(a)/1/2017  
Test order dated : 6.1.17

Date : 25.1.2017

M/s Ecowood Exports Private Limited  
# 325/3, 1<sup>st</sup> Floor, 20<sup>th</sup> Main  
11<sup>th</sup> Cross, "F" Block, Sahakarnagar  
Bangalore 560 092

**TEST REPORT ON PLYWOOD SAMPLE**

Source of sample	:	Sample supplied by the customer
Customer's Reference	:	Letter dated 6.1.17 and 25.1.17
UIN	:	17000600
Project*	:	Not furnished
Thickness*	:	6mm
Grade*	:	BWP
Brand*	:	Somaniply
Period of test	:	16.1.17 to 20.1.17
Condition of sample	:	Satisfactory
Test Method	:	IS:1734-1983 (Reaffirmed 2008)

Sl No	Test conducted	Test Results	Requirements as per IS: 710 – 2010
1	Density (kg/m <sup>3</sup> )	660	Not Specified
2	Moisture Content (%)	6.0	5 – 15
3	<b>Glue Adhesion</b>		
	a) Adhesion of plies	Resistance to Separation	Should be Resist to separation
4	b) Glue Shear Strength (N)	1803	Min. 1350
	<b>Water Resistance</b>		
4	a) Adhesion of Plies	Resistance to Separation	Should be resist to separation
	b) Glue Shear Strength (N)	1403	Min. 1000 N
5	<b>Tensile Strength (N/Sq. mm)</b>		
	a) Parallel to grain	58.8	Min. 42.0
	b) Perpendicular to grain	47.9	Min. 25.0
6	c) Total	106.7	Min. 84.5
	<b>Static Bending Strength (Dry) (N/mm<sup>2</sup>)</b>		
	a) Parallel to Grains Direction	100.1	Min. 50
6	b) Perpendicular to Grains Direction	47.8	Min. 30
	<b>Static Bending Strength (Wet) (N/mm<sup>2</sup>)</b>		
7	a) Parallel to Grains Direction	66.7	Min. 25
	b) Perpendicular to Grains Direction	28.0	Min. 15

\* As furnished by the customer

- Note:**
1. The results relate only to the items tested.
  2. Report shall not be reproduced, except in full without the written approval of the lab.
  3. Any correction invalidates this report.

for **CIVIL AID TECHNOCLINIC PVT. LTD.**

**Civil-Aid Technoclinic Pvt. Ltd.**  
(A Bureau Veritas Group Company)

# 43,45,46 & 47, Ground, 1st Floor, 1st Main,  
Pete Chennappa Indl. Estate, Magadi Road,  
Kamakshipalya, BANGALORE-560 079



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**CIVIL-AID**

Ref: CIVIL-AID: MT: PW:BL/580(b)/1/2017  
Test order dated : 6.1.17

Date : 25.1.2017

M/s Ecowood Exports Private Limited  
# 325/3, 1<sup>st</sup> Floor, 20<sup>th</sup> Main  
11<sup>th</sup> Cross, "F" Block, Sahakarnagar  
Bangalore 560 092

**TEST REPORT ON PLYWOOD SAMPLE**

Source of sample : Sample supplied by the customer  
Customer's Reference : Letter dated 6.1.17 and 25.1.17  
UIN : 17000600  
Project\* : Not furnished  
Thickness\* : 12mm  
Grade\* : BWP  
Brand\* : **Somanply**  
Period of test : 16.1.17 to 20.1.17  
Condition of sample : Satisfactory  
Test Method : IS:1734-1983 (Reaffirmed 2008)

Sl No	Test conducted	Test Results	Requirements as per IS: 710 – 2010
1	Density (kg/m <sup>3</sup> )	681	Not Specified
2	Moisture Content (%)	6.0	5 – 15
3	<b>Glue Adhesion</b> a) Adhesion of plies b) Glue Shear Strength (N)	Resistance to Separation 1888	Should be Resist to separation Min. 1350
4	<b>Water Resistance</b> a) Adhesion of Plies b) Glue Shear Strength (N)	Resistance to Separation 1456	Should be resist to separation Min. 1000 N
5	<b>Tensile Strength (N/Sq. mm)</b> a) Parallel to grain b) Perpendicular to grain c) Total	55.8 45.1 100.9	Min. 42.0 Min. 25.0 Min. 84.5
6	<b>Static Bending Strength (Dry) (N/mm<sup>2</sup>)</b> a) Parallel to Grains Direction b) Perpendicular to Grains Direction	78.5 77.1	Min. 50 Min. 30
7	<b>Static Bending Strength (Wet) (N/mm<sup>2</sup>)</b> a) Parallel to Grains Direction b) Perpendicular to Grains Direction	53.7 48.1	Min. 25 Min. 15

\* As furnished by the customer

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for **CIVIL AID TECHNOCLINIC PVT. LTD.**

*Shikha*  
25/1/2017

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**CIVIL-AID**

Ref: CIVIL-AID: MT: PW:BL/580(c)/1/2017  
Test order dated : 6.1.17

Date : 25.1.2017

M/s Ecowood Exports Private Limited  
# 325/3, 1<sup>st</sup> Floor, 20<sup>th</sup> Main  
11<sup>th</sup> Cross, "F" Block, Sahakarnagar  
Bangalore 560 092

**TEST REPORT ON PLYWOOD SAMPLE**

Source of sample : Sample supplied by the customer  
Customer's Reference : Letter dated 6.1.17 and 25.1.17  
UIN : 17000600  
Project\* : Not furnished  
Thickness\* : 19mm  
Grade\* : BWP  
Brand\* : Somaniply  
Period of test : 16.1.17 to 20.1.17  
Condition of sample : Satisfactory  
Test Method : IS:1734-1983 (Reaffirmed 2008)

Sl No	Test conducted	Test Results	Requirements as per IS: 710 – 2010
1	Density (kg/m <sup>3</sup> )	713	Not Specified
2	Moisture Content (%)	6.0	5 – 15
3	<b>Glue Adhesion</b> a) Adhesion of plies b) Glue Shear Strength (N)	Resistance to Separation 1851	Should be Resist to separation Min. 1350
4	<b>Water Resistance</b> a) Adhesion of Plies b) Glue Shear Strength (N)	Resistance to Separation 1542	Should be resist to separation Min. 1000 N
5	<b>Tensile Strength (N/Sq. mm)</b> a) Parallel to grain b) Perpendicular to grain c) Total	55.7 43.3 99.0	Min. 42.0 Min. 25.0 Min. 84.5
6	<b>Static Bending Strength (Dry) (N/mm<sup>2</sup>)</b> a) Parallel to Grains Direction b) Perpendicular to Grains Direction	71.7 63.0	Min. 50 Min. 30
7	<b>Static Bending Strength (Wet) (N/mm<sup>2</sup>)</b> a) Parallel to Grains Direction b) Perpendicular to Grains Direction	48.5 48.1	Min. 25 Min. 15

\* As furnished by the customer

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