



NATIONAL TESTING LABORATORY

B-265, Mangolpuri Industrial Area, Phase-I, Delhi-110083
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F.No. FO1 (5.10)

TEST-REPORT

Issued to:

N H Marketing
B-307, Kailash Esplanade,
Opp. Shreyas Cinema, L.B.S Marg
Ghatkopar(W) Mumbai-400086.

Report No.- 130107Cv1102607

Date of Report:- 08/02/2013

Your Ref. No:- Nil, dt:- 03/01/2013

Date of Receipt:- 07/01/2013

Sample Description : Wood Plastic Composite 12mm thick

<u>S.No</u>	<u>Test</u>	<u>Tests Method</u>	<u>Test Result</u>
1.	Density kg/m ³	IS: 2380(P-3)1997	521
2.	Moisture Content, %	IS: 2380(P-3)1997	0.30
3.	Water Absorption, % (a) 2 Hours (b) 24 Hours	IS: 2380(P-16)1997	0.14 0.50
4.	Thickness swelling, % After 2 hours	IS: 2380(P-17)1997	0.20
5.	Modulus of rupture N/mm ²	IS: 2380(P-4)1997	More than 19.6
6.	Modulus of Elasticity, N/mm ²	IS: 2380(P-4)1997	1957
7.	Tensile strength, N/mm ²	IS:2380(P-6)1997	12.5
8.	Screw withdrawal strength N (a) Face (a) Edge	IS: 2380(P-14)1997	1574 970
9.	Nail withdrawal strength N (a) Face (a) Edge	IS: 2380(P-14)1997	1224 982
10.	Screw holding test	IS: 2380(P-14)1997	Satisfactory
11.	Nail holding test	IS: 2380(P-14)1997	Satisfactory
12.	Flexure test	IS: 4020(P-5)1998	Passes the test
13.	Edge loading test	IS: 4020(P-6)1998	Passes the test
14.	Shock resistance test (5 kgf)	IS: 4020(P-7)1998	Passes the test
15.	Water resistance test (60 ± 2°C for 3 hrs)	IS: 1734(P-4):1983	Passes the test

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Checked by

C. K. SINGHA
Director Tech.
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Authorised Signatory



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<u>S.No</u>	<u>Test</u>	<u>Tests Method</u>	<u>Test Result</u>
16.	Knife test	IS: 4020(P-13):1998	Passes the test
17.	Resistance to stain	IS: 12823:1990	Passes the test
18.	Resistance to crack	IS: 12823:1990	Passes the test
19.	Resistance to steam	IS: 12823:1990	Passes the test
20.	Resistance to cigarette burn	IS: 12823:1990	Passes the test
21.	Spot test	IS: 1659:2004	Passes the test
22.	Mycological test	IS: 1734(P-7):1983	Passes the test
23.	Humidity test(varying) At $27 \pm 2^\circ\text{C}$ & $30 \pm 5\%$ RH(for one week) & $27 \pm 2^\circ\text{C}$ & $85 \pm 5\%$ RH(for one week) (size:- 300x300mm)	IS: 4020(P-11):1983 Guideline	length - 0.06mm thick - 0.02mm
24.	Thickness, mm	IS: 2380(P-2):1977	12.06
25.	Squareness, mm	IS: 2380(P-2):1977	0.04
26.	Edge straightness test, mm	IS: 2380(P-2):1977	0.04
27.	Retention of Preservation		Passes the test
28.	Softening point $^\circ\text{C}$		118
29.	Heat deflection temp. $^\circ\text{C}$	IS: 1734(P-2)	134
30.	Workability test		Satisfactory
31.	Fire point $^\circ\text{C}$		384

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