



FACTORY TEST REPORT

NATURE OF SAMPLE : MARINE PLYWOOD

SIZE : 2440 x 1220 x 19 mm

GRADE PF PLYWOOD : BWP PLYWOOD "SWADESH PLATINUM"

SPECIES : GURJAN & EUCALYPTUS

TEST AS PER : IS : 710 : 2024

SI No	TEST CARRIED OUT	SPECIFIED VALUE	OBSERVED VALUE
1	DIMENSION LENGTH WIDTH THICKNESS	+6 mm / -0 mm +3 mm / -0 mm + 5 %	2442 mm 1222 mm Max : 19.10 mm Avg : 18.85 mm
2	EDGE STRAIGHTNESS	0.20%	0.05%
3	SQUARENESS	0.20%	0.03%
4	MOISTURE CONTENT	5-15%	7.95%
5	WORKMANSHIP & FINISH	As per Clause no.7	Satisfactory
6	GLUE ADHESION IN DRY STATE A) GLUE SHEAR STRENGTH B) ADHESION OF PILES	A) 1350/1100 N B) PASS STANDARD	A) 1485/1405 N B) PASS STANDARD
7	GLUE ADHESION IN WET STATE A) GLUE SHEAR STRENGTH B) ADHESION OF PILES	A) 1000/800 N B) PASS STANDARD	A) 1105/925 N B) PASS STANDARD
8	GLUE ADHESION IN MYCOLOGICAL TEST A) GLUE SHEAR STRENGTH B) ADHESION OF PILES	A) 1350/1100 N B) PASS STANDARD	A) 1165/1010 N B) PASS STANDARD
9	TENSILE STRENGTH A) PARALLEL TO GRAIN , N/MM2 B) PERPENDICULAR TO GRAIN , N/MM2 C) THE SUM OF TENSILE STRENGTH	A) NOT LESS THEN , 36.0 N/MM2 B) NOT LESS THEN , 29.0 N/MM2 C) NOT LESS THEN , 84.5 N/MM2	A) 48.32 B) 53.15 C) 101.47
10	STATIC BENDING STRENGTH MOE , N/MM2 A) PARALLEL TO GRAIN , N/MM2 B) PERPENDICULAR TO GRAIN MOR , N/MM2 A) PARALLEL TO GRAIN B) PERPENDICULAR TO GRAIN	A) 6400/5700 B) 4600/4100 A) 43/38 B) 35/31	A) 6825/6715 B) 5290/5185 A) 53.85/52.30 B) 68.30/67.96
11	WET BENDING STRENGTH MOE , N/MM2 A) PARALLEL TO GRAIN , N/MM2 B) PERPENDICULAR TO GRAIN MOR , N/MM2 A) PARALLEL TO GRAIN B) PERPENDICULAR TO GRAIN	A) 3200/2900 B) 2300/2900 A) 21/19 B) 17/15	A) 4258/4178 B) 4220/4179 A) 43.0/42.76 B) 48.21/47.96
12	FORMALDEHYDE CONTENT TEST	E1 / E2	E1