

TECHNICAL SPECIFICATION OF PLYWOOD

SIZE:2440*1220MM

CONSTRUCTION: 9+2 LAYER

THICKNESS:18MM

SPECIES OF CORE VENEER: NEEM+EUCALY

TYPE: MARINE GRADE (IS 710:2024, WBP) & SPECIES OF FACE VENEER: OKUME

FIRE RETARDANT (IS 5509:2000)

AS PER IS:710 (MARINE GRADE, WBP)

SL	TEST NAME	PRESCRIBED VALUE	RESULT
1	DENSITY	0.520g/cm ³ -0.550 g/cm ³	0.527 g/cm ³
2	MOISTURE CONTENT	5-15%	9.6%
3	WATER RESISTANCE TEST	72 HOURS @ 100°C	PASS
4	STATIC BENDING STRENGTH MODULUS OF RUPTURE (N/mm ²) -ALONG THE GRAIN -ACROSS THE GRAIN MODULUS OF ELASTICITY (N/mm ²) -ALONG THE GRAIN -ACROSS THE GRAIN	MIN. INDIVIDUAL- 38 AVERAGE- 43 MIN. INDIVIDUAL- 31 AVERAGE- 35 MIN. INDIVIDUAL- 5700 AVERAGE- 6400 MIN. INDIVIDUAL- 4100 AVERAGE- 4600	MIN.INDIVIDUAL- 53 AVERAGE- 57 MIN. INDIVIDUAL- 38 AVERAGE- 41 MIN.INDIVIDUAL-6700 AVERAGE-7300 MIN.INDIVIDUAL-4600 AVERAGE-5200
5	TENSILE STRENGTH (N/mm ²) -ALONG THE GRAIN -ACROSS THE GRAIN -SUM OF BOTH	36 29 84.5	51 38 89
6	GLUE SHEAR STRENGTH(N/mm ²) DRY STATE	MIN. INDIVIDUAL- 1100 AVERAGE- 1350	MIN.INDIVIDUAL-1400 AVERAGE-1550
7	WORKMANSHIP & FINISH	SATISFACTORY	SATISFACTORY

AS PER IS:5509 (FR-GRADE)

SL	TEST NAME	PRESCRIBED VALUE	RESULT
1	FLAME PENETRATION	When tested as per IS:5509, flame penetration on opposite surface should not be less than 45min for 18mm	PASS
2	FLAMMIBILITY	When tested as per IS:5509, heat transfer from one surface to other causing continuous burning of another sample for 60sec, should not be less than 30min.	PASS
3	RATE OF BURNING	When tested as per IS:5509, weight loss from 30% to 70% of sample, should not be less than 20min.	PASS

AUTHORISED SIGNATORY
TECHNICAL HEAD

