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LIVE WITH NATURE



"Live with NATURE"



K. Mohammed & Co. Has began its journey in 1963 as a timber and coupe contractors. Later on 1986 a new firm is set-up for sawing the wood as a **Karnataka Saw Mills**. Both the firm is well established and well popular for timber importing and saw mills in Karnataka state.

And then we added a firm for a wood products. As a well known timber company we use only naturally anti borer & anti termite raw material of wood for the products like plywood, block boards etc..

K. Mohammed & Co. is revolutioning the plywood industry with its flagship plywood brand **KM BOARDS** and it has range of premium plywood & block board. **KM BOARDS** have taken to be the market leader in engineered plywood. K. Mohammed & Co. has moved the frontiers by pioneering the concept of "Machine Engineered Decorative Flush Doors" for time-critical project requirements.

Now here by we have well identified company in both timbers & plywood in Karnataka. Our company is stated in high profile industries with quality products in the each firms. Since our motto is "Much Better Quality With Best Price" Since it's a well established company our services & performances are best with purchase & sales part.



AN ISO 9001 : 2008
CERTIFIED COMPANY

PLYWOOD



MR GRADE PLYWOOD used extensively in furnitures, partitions paneling and packaging, these affordable yet durable plies offer unmatched strength and oodles of style to complement modern & urban living. Made from seasoned hardwood and bonded with urea melamine formaldehyde under computer-controlled temperature and pressure, they offer at-par advantages with treated wood panels at a much lower cost.

KM BOARDS has now become an iconic brand synonymous with unparalleled quality And enduring trust

(MR GRADE IS:303)

Moisture Content	8 - 12
Glue Shear Strength (KG)	> 110
Water Resistance Test (KG)	> 100
Mycological Test (KG)	> 100
Adhesion of Plies Excellent	Excellent
Preservative Treatment	Two Tier Treatment: 1. Glue Line Fortified with non-leachable organophosphorous compound (USA Technology)
Specific Gravity	0.70
Water Absorption	< 5%
Screw Holding Strength (KG)	> 250
Nail Holding Strength (KG)	> 150



MARINE PLY

Bonded with high quality phenol formaldehyde resin, this high quality ply can resist boiling water, cold water, climate variations and of course- powder and termite attacks. Manufacturing process also involves high pressure impregnation technology which provide the stamina to withstand ultimate testing conditions.

KM BOARDS marine plywood decisively surpasses BIS standards for boiling water time test, termite test & bending strength test. It is therefore ideal for use in hot, humid and moist conditions.

Construction & maintenance of marine river crafts pontoons, fishing & sail boards, etc. additionally, it can be used in heat exchanger, public hoarding, sign boards, tea weathering troughs, cooling towers & jetties. It can also be extensively used in tanks carrying liquid chemicals, portable cabins, shelter exposed to severe conditions as well as structural applications.

(EWP IS: 710 & EWR IS: 303)		
General – Common Properties	Normal Value	Value obtained
Thickness Available in (mm)	All Thickness	All Thickness
Dimensions Available in (mm X Mm)	Max 2440 X 1220	Max 2440 X 1220
Density (kg/m)	700	1824
Water Resistance Test		
a) Boil Cycle (6 Cycle Boiling & Drying)	Passed/No De-lamination	Passed/No De-lamination
Moisture Content (%)	5-15%	11.2%
Water Resistance (kg) Dry	>100	130
Glue Shear Strength (kg)- Dry	>135	150
Glue Shear Strength (kg) – Dry - Mycological	>100	122
Adhesion To Piles	Excellent	Excellent
Water Absorption Test	>5 %	3.5 %
Screw Holding Strength	>275	333
Nail Holding Strength (kg)	>150	185
Static Bending Strength(kg)		
(i) Mor (N/mm2)		
a) Across The Grain	>30	33
b) along The Grain	>50	72
(ii) MonE (N/mm2)		
a) Across the Grain	>4000	5555
b) Along The grain	>7500	8888
Tensile Strength	>845 kg / Cm2	954 kg / Cm2



BLOCK BOARD

Superior quality KM BOARDS block boards are made of the best breeds of hybrid poplar, tagged as G-53 and G-48 grade, genetically engineered to resist borers termites etc. this category provides general degree of moisture resistance and is commonly suited for interior applications and partitions. Block Boards are manufactured to beautify the interiors with aristocracy.

Our BWR range of block boards offers the best combination of form and functionality, for contemporary yet aesthetically appealing furniture piece. The hardwood fillers/battens have uniform dimensions and are treated individually with preservatives. They are kept in closed environment to ensure proper diffusion of preservatives into the wood. The core and panels are made from hardwood species of timber, which makes it extremely strong. Moreover, our technology helps fight against termites and borers for total protection. Finished block boards are further treated with preservatives, offering protection against external elements. The KM BOARDS BWP Block Board features a 0.5 mm face and 7 year guarantee.

(MR & BWR IS: 1659)	
Moisture Content %	8 - 10
Water Resistance Tests	No De-lamination After 72 Hours boiling
Mycological test	No De - lamination
Adhesion of Plies	Excellent
Preservative Treatment	Two Tier Treatment: 1. Lumber And Veneers Are Treated With Preservatives 2. Glue Line Is Fortified With Non-Leachable Organophosphorous Compound (USA Technology) 3. Finished Panels Are Treated With CCA or Acid Copper Chrome Compound
Modulus of Elasticity (N/mm2)	>6000
Modulus of Rupture (N/mm2)	>60
Specific Gravity 0.65	0.65
Screw Holding Strength (kg)	>200
Nail Holding strength (kg)	>100
Water Absorption	<5%



FLUSH DOOR



FLUSH DOORS combine traditional styling with the advantages of modern engineering to deliver long lasting high performance. Our new age flush doors offer a high degree of resistance to stains, scuffs and impacts that could damage wood. These products are also unaffected by humid environments. Flush doors manufactured by KM BOARDS are elegantly designed and always pass all the test of durability quality and dimensional stability. This is not all, the unique advantage of our flush doors is their cost effectiveness. Using flush doors means, saving 50% of the cost as compared to traditional carpenter-made doors. BWR/BWP flush doors from the house of KM BOARDS are high-density block board doors providing excellent insulation against dust, heat and sound. Made from quality, imported timber, they possess high resistivity to borers and termites.



(IS:2202)

Test	ISI Specified Value	Result Obtained
Dimension	Length, Width - + 5mm Thickness - + 1mm	Within limits
Squareness	Deviation not more than 1mm on a length of 500mm	Deviation below 1mm
General Flatness	Twist, cupping, warping not to be less than 0.5mm	
Local Planeless	Depth of deviation at any point to be less than 0.5mm	Within limits
Impact Indentation Test	Depth of Indentation not to exceed 0.2mm	Within limits
Edge Loading Test	Deflection of edge with max. To be less than 5mm	Within limits
Shock Resistance Test	No visible defect after test	No visible defects
Buckling Test	Initial deflection-< 50mm residual deflection-< 5mm	Within limits
Slamming Test	No visible damage after test	No visible damage
Misuse Test	No deformation after test	No deformation
Verifying Humidity Test	No visible warping, twisting or de-lamination	No such defects observed
End Immersion Test	No de-lamination at the end	No de-lamination
Knife Test	Minimum Pass Standard	Excellent
Glue Adhesion Test	No de-lamination	No de-lamination
Screw Withdraw Test	Load to withdraw screw to be more than 1000 N	Load - > 1000 N

MECHANIZATION & CONSTRUCTION

KM BOARDS has always input the best raw material which our trainees team of wood selectors intricately select and source based purely on quality. This is solely because superior raw wood means a superior product. To ensure optimum moisture content of the wood, conforming to BIS standards, systematically selected wood is then seasoned at our state-of the-art "multi deck dryer systems" with minimal temperature variations and "Ultra Turbo Rotation seasoning chambers with modern air, pressure and humidity management. These programmable Logic Control based systems results in increased strength, holding power, load capacity, paint ability and glue-ability that ultimately improves the thermal properties of the wood and provides ultimate balance of moisture. KM BOARDS also has the triple power of the Dual temperature pressing, ECS technology & surface leveling cipher.

Before our products are offered in the market, a comprehensive testing schedule is followed to test our own claims. Special tests like resistance to Micro-organisms, Adhesion of Plies, Mycological Test, Modulus of Elasticity and Rupture are performed to ensure superior quality. At this stage, test for tensile strength is conducted using advanced testing apparatus. It's this streamlined, systematic and stringent process towards excellence that makes our products the symbols of impeccable quality that stand the most exacting tests of time. KM BOARDS has the triple power of ECS technology & the "state of the art" surface leveling cipher calibrates the plywood ensuring stronger, smoother and warless plywood with uniform thickness while the dual temperature pressing & the revolutionary extra compression system makes KM BOARDS is the strongest & densest plywood.

