

PSGSG-77	Product Specifications For Water Proof Plywood	Drg. No.	
		Date	21.10.21
		Product	GSM 245
1.0	Application	: For sea worthy packing	
2.0	Configuration	: Standard size of manufacture	
3.0	Thickness	: 18 – 19 mm	
4.0	Size	: 2.44 x 1.22 M (8' x 4') : 1.84 x 0.92 M (6' x 3')	
5.0	Specifications:		
5.1	Manufactured from high quality veneers peeled from carefully selected durable hardwood of uniform thickness.		
5.2	Every sheet, layer by layer given preservative treatment (with copper chrome boric preservative and chloropyriphos 1% in glue line), to prevent wood rot or decay and to withstand all types of wood destroying organisms, viz., termites, white ants, fungus and other micro-organisms – by soaking, diffusion or impregnation of the individual veneers before gluing, with water borne chemicals – not just chemical dipped finally.		
5.3	Each piece of veneer be of inherent rigid construction with phenol formaldehyde resorcinol resin and pressed at about 16 kg/cm ² at 150°C, surfaced with phenol resign impregnated cotton fabric with or without special pattern to give non-slip surface and rendered highly resistant to Weather, Micro organism, cold and boiling water, steam and dry heat.		
5.4	The products to be weather and boil proof bonded and vacuum impregnated. They should confirm to Indian Standard specification No. IS 710-1976.		
5.5	The plywood to be boiling water proof (BWP) for at least 72 hours.		
5.6	Stress relieving treatment like tenderisation and tropicalization, to be given at every stage of manufacturing process to make the product warp-free and dimensionally stable.		
5.7	To use matured and selected 100% GURJAN single species wood that ensures uniformity; their high density, to ensure tensile strength and toughness to take huge loads.		
1/2	PSGSG/77.doc		Signature

PSGSG-77	Product Specifications For Water Proof Plywood	Drg. No.	
Date		21.10.21	
Product		GSM 245	
<p>5.8</p> <p>Characteristics of Plywood:</p> <ul style="list-style-type: none"> • Moisture content (%) 8-12 • Glue shear strength (kg) >140 • Water Resistant Test (kg) >120 (tested after 72 hours boiling) • Mycological Test (kg) >130 • Adhesion of piles Excellent • Preservative Treatment (kg/m²) >12 • Tensile strength (kg/m²) <ul style="list-style-type: none"> Parallel to face > 600 Perpendicular to face > 300 • Bending strength > 400 kg/sq. cm • Specific gravity around 0.75 • Water absorption <1% (Swelling in cold water at room temp.: appr. 1%) • Screw holding strength normal to face > 250 kg. • Nail holding strength normal to face > 60 kg. <p>5.9</p> <p>Salient Features:</p> <ul style="list-style-type: none"> • Microbial decay-resistant • Un-extended glue • Thicker face • Withstands heavy impacts of tossing and turning in sea / air • Withstands alternate wetting and drying • General: The finished laminate should not have any bend and the outer surface should be free from dents/visible surface defects. Perpendicularity of the flat surface (base) shall be maintained at +/-0.1. <p>5.10</p> <p>Distinct proof of originality such as stripes which are an integrated part of the ply wood and not just pasted on top and not using a sticker or stamped seal of originality.</p> <p>6.0</p> <p>Tests:</p> <p>Test certificate should be furnished along with the supply.</p>			
2/2	PSGSG/77.doc		Signature