

TEST VALUES & COMPARISON

	ALFA	GAMA-S	Shuttering General Plywood	Wood Plastic Composite
Water absorption Test	0.46%	3.42%	8%	4%
Density Test gm/cm ³	1.06	0.768	0.75	1.85
Compressive Strength N/mm ²				
Across grains	19.99	18.77	15.30	35.43
Along grains	39.12	36.92	32.28	35.43
Tensile Strength N/mm ²	19.41	33.71	24.80	35.43
Flexural Strength N/mm ²	22.73	25.17	24.80	23.48
Impact Test (No. of Blows)	827	1007		
Boil Water Test-				
(4 Hr Boiling 4 Hr Airdry)	No Delamination	No Delamination		
72 Hr Boiling	No Swelling	No Swelling		
Screw Holding Strength Kg	134	139		
Nail Holding Strength	18	18		
Drilling	easy	easy	easy	easy
Adhesive Bonding Fevicol	SR 998 Heat X	SR 998 Heat X	White Glue PVA	SR 998
Heating Dimension Change % at 100 to 105°C	No Change	No Change		