PROPERTIES	THICKNESS		STANDARD ACHIEVED
	50 mm	75 mm	
Weight (nom) per m2 (kgs)	39	54	
Flexural Strenght/Modulus of Rupture (kgs/cm2)	67	58	GOVERNMENT TEST RESULT
Compressive Strength (KGS/cm2)	50	70	GOVERNMENT TEST RESULT
Thermal Conductivity (W/m deg K)	0.22	0.21	BS 4370 - PART 2
Sound Transmission Co-efficient (db) Typical Test Result of National Physical Laboratories)	30	38	IS 9901 (PART III) - 1981 IS 11050 (PART I) - 1981
Acoustic Evaluation	33	39	AS1191; BS2750; PART 3 BS5821 PART 1
Fire Rating (minutes)	60	120	BS 476 PART 20-22 AS 1530 PART 4 JIS A1304 SNI 1741:2008
Thermal Transfer Co-efficient "U" values W/M20c	2.174	1.786	BS 874 PART 2
Thermal Resistence "R" Values M2K/W	0.46	0.56	BS 874 PART 2
Surface Spread of Flame	Class 1	Class 1	BS 476 PART 7 - 1971
Fire Propagation Index (I)	3.7	3.7	BS 476 PART 6 - 1981
Ignitability	Class "P" (not easily ignitable)	Class "P" (not easily ignitable)	BS 476 PART 5 - 1968
Environmentally Friendly	Non Pollutant manufacturing process. Does not incorporate any diminishing natural resources		
Anti Impact Capacity (times)	>8	>10	GOVERNMENT TEST RESULT
Hanging Strength (N)	>1200	>1300	
Tensile Strength (N/mm2)	0.35 - 0.48		IS 2389 - 5
Axial Compression			
Breaking Load	9,573 Kg	13,233 Kg	
Allowable axial Load/m	127,6 KN/m	174,6 KN/m	
Anchor Test (Pullout Test)	4,36 kN		BS 5080 part 1 & 2
Anchor Test (Shear Test)	7,4 kN		BS 5080 part 1 & 2
Water Absorption	3.95%	1.65%	IS2380 - 16

Moisture Content	9.1%	8.7%	IS2380 - 3
Swelling in Water	Nil	Nil	IS2380 - 17
Water Resistence	No Penetration		BS4315 PART 2
Modulus of Rupture Dry	5.39 N/mm2	3.81 N/mm2	IS2380 - 4
Modulus of Rupture Wet	3.85 N/mm2	2.94 N/mm2	IS2380 - 4
Modulus Elasticity	9216 N/mm2	3072 N/mm2	IS2380 - 4
Density	835 Kg/3	807 Kg/m3	IS2380 - 3

Close