

SUMMARY OF GENERAL PROPERTIES OF BUILDING MATERIALS

	Material	Density	Thermal Resistivity	Thermal Conductivity	Maximum working Temperature	Compression strength	Fire Resistance	Water Absorption (% Volume)	Vapor Permeability
		Kg/m ³	1/k	k	°C	N/mm ²			
			m ^{-°C} / W	W/m ^{-°C}					
1	PERLITE	100	17.36	0.058	780	-	Non flammable	-	High
2	PERLTION CONCRETE	300	13.3	0.075	-	3.0	Non flammable	-	High
3	PERLTION CONCRETE	600					Non flammable	-	High
4	VERMICULITE (Pelted)	112	17.36	0.055	1100	-	Non flammable	-	-
5	FOAM GLASS	150	17.36	0.058	4.80	5-7	Non flammable		Low
6	EXPANDED POLYSTYRENE (molded)	25	27.78	.036	75	1-2	Flammable	2-3	2
7	EXPANDED POLYSTYRENE (extruded)	30	31.25	0.032	75	2-3		0-2	0.5
8	SPRAYED POLYURATHANE	36	41	0.024	75	2-3		1-4	0.5
9	POLYURATHANE (Rigid)	40	34.72	0.29	100	1-3		1-4	0.5
10	POLYURATHANE(sprayed)	30	31.25	0.032	100	0.5-2.0		1-4	2.4
11	MINERAL (Fiber glass) WOOL	25	28	0.035	200	0.05			
12	MINERAL (Rock) WOOL	50	29	0.034	250	0.2			
13	PRE-CAST CONCRETE WALL	2400	10	0.1-	-	30.0			
14	MORTAR	1800	13	0.75	-	14			
15	CONCRETE SCREED	2200	0.69	1.45	-	20			
16	FOAMED CONCRETE	400	6.6	0.15	-	1.0			

