

**W1.6**

**Specific Gravities of selected Materials**

Sr No	Material	Sp. Gr.	Sr No	Material	Sp. Gr.
A	Solids, liquids, metals and alloys		D	<b>Minerals</b>	
1	Aluminium	2.55 - 2.8	1	Granite	2.6 - 2.7
2	Bronze	7.7	2	Limestone	2.1 - 2.8
3	Brass	8.4 - 8.7	3	Magnesite	3
4	Copper	8.8 - 9	4	Phosphate rock	3.2
5	Iron, cast	7- 7.1	5	Quartz	2.5 - 2.8
6	Iron, pig	7.2	6	Sandstone	2.7 - 2.8
7	Iron, wrought	7.6 - 7.9	7	Shale, slate	2.6 - 2.9
8	Lead	11.34			
9	Manganese	7.42	E	<b>Stones quarried and piled</b>	
10	Nickel	8.9	1	Basalt, granite	1.5
11	Steel	7.8	2	limestone, quartz	1.5
12	Tin	7.2 - 7.5	3	sandstone	1.3
13	Zinc	6.9 - 7.2	4	shale	1.5
B	<b>Ores</b>		5	Asbestos	2.1 - 2.8
14	Copper,pyrites	4.1 - 4.3	6	Basalt	2.7 - 3.2
15	Iron, haematite	5.2	7	Bauxite	2.55
16	Magnesite	4.9 - 5.2	8	Chalk	1.8 - 2.8
17	Lead, galena	7.3 - 7.6	9	Clay, marl	1.8 - 2.6
18	Manganese, pyrolusit	3.7 - 4.6	10	Dolomite	2.9
19	Zinc, blende	3.9 - 4.2	11	Feldspar	2.5 - 2.7
			F	<b>Coals</b>	
C	<b>Building Materials</b>		1	Coal, anthracite	1.4 - 1.8
1	Cement, loose	1.5	2	Coal, bituminous	1.2 - 1.5
2	Lime, gypsum, loose	0.85 - 1	3	Coal, lignite	1.1 - 1.4
3	Mortar, set, lime	1.4 - 1.9	4	Charcoal	0.28 - 0.47
4	Mortar, set, cement	2 - 2..3	5	Coke	1.0 - 1.4
5	Cement	3.1 - 3.2	6	Coke petroleum	0.78 - 0.82
6	Slag, bank	1.1 - 1.2	7	Coals piled	
7	Clay, dry	1	8	coal bituminous	0.65 - 0.87
8	Gravel	1.6	9	coal, lignite	0.65 - 0.87
			10	coke	0.37 - 0.52

Sr No	Material	Sp. Gr.	Sr No	Material	Sp. Gr.
9	Earth, dry, loose	1.2			
10	Earth, dry, packed	1.5			

**G Liquids**

1	Alcohol	0.79
2	Acids	1.2 - 1.8
3	Oils, mineral, lub	0.88 - 0.94
4	Water , 4 ° C	1
5	Ice	0.88 - 0.92
6	Sea water	1.02 - 1.03