

**LIST OF CONCRETE TESTING**

No.	Item	Price (Baht)	Remarks
<b>Cement</b>			
1	Specific Gravity of Cement	1,000 / Specimen	ASTM C188
2	Fineness of Cement by the 45 µm (No. 325) Sieve	1,000 / Specimen	ASTM C430
3	Fineness of Cement by Air Permeability Apparatus	1,500 / Specimen	ASTM C204
4	Normal Consistency of Cement	1,000 / Specimen	ASTM C187
5	Setting Time of Cement Paste by Vicat Needle (Initial and Final)	1,500 / Specimen	ASTM C266
6	Setting Time of Cement Paste by Gillmore Needles (Initial and Final)	1,500 / Specimen	ASTM C192
<b>Aggregates</b>			
7	Specific Gravity and Absorption of Coarse / Fine Aggregate	1,200 / Specimen	ASTM C127 / C128
8	Sieve Analysis of Fine and Coarse Aggregates	1,200 / Specimen	ASTM C136
9	Resistance to Degradation of Small / Large Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	1,500 / Specimen	ASTM C131 / C535
10	Bulk Density (Unit Weight) and Voids in Aggregate	1,000 / Specimen	ASTM C29
11	Organic Impurities in Fine Aggregates for Concrete	1,000 / Specimen	ASTM C40
12	Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	2,500 / Specimen	ASTM C88
13	Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	1,000 / Specimen	ASTM C117
14	Clay Lumps and Friable Particles in Aggregates	1,000 / Specimen	ASTM C142
15	Length Change of Concrete Due to Alkali-Carbonate Rock Reaction	2,500 / Specimen	ASTM C1260
16	Length Change of Concrete Due to Alkali-Silica Reaction	2,500 / Specimen	ASTM C1293
17	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	2,500 / Specimen	ASTM C1106

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<b>Concrete</b>			
18	Water Retention of Mortar	2,000 / Specimen	ASTM C1506
19	Air Content of Mortar	1,000 / Specimen	ASTM C185
20	Time of Setting of Concrete Mixtures by Penetration Resistance (Initial and Final)	3,000 / Specimen	ASTM C403
21	Slump Loss of Concrete	2,000 / Specimen	ASTM C143
22	Bleeding of Concrete	3,000 / Specimen	ASTM C232
23	Compressive Strength of Concrete	150 / Specimen	ASTM C39
24	Splitting Tensile Strength of Concrete	500 / Specimen	ASTM C496
25	Flexural Strength of Concrete	500 / Specimen	ASTM C78
26	Shear Strength of Concrete	1,000 / Specimen	JSCE SF6
27	Modulus of Elasticity of Concrete	1,500 / Specimen	ASTM C469
28	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	2,500 / Specimen	ASTM C1202
29	Abrasion Resistance of Concrete / Mortar Surfaces by the Rotating-Cutter Method	1,000 / Specimen	ASTM C944
30	Water Permeability of Concrete	3,500 / Specimen	DIN 1048
31	Drying Shrinkage of Mortar / Concrete	2,000 / Specimen	ASTM C596
32	Compressive Strength of Concrete by Rebound Hammer	500 / Point	ASTM C805
33	Test for Determining FF Floor Flatness and FL Floor Levelness Numbers	15,000 / Day	ASTM E1155