

Evaluation of Aggregates

Sl No.	Name of Test/Service	Standard Procedure
1.0	Complete Evaluation and Recommendations of Coarse Aggregate Sample Based on Physical and Mechanical Properties (i.e. Specific gravity, water absorption, sieve analysis, deleterious materials, soundness, crushing value, impact value, abrasion value, flakiness and elongation index)	IS: 2386
2.0	Complete Evaluation and Recommendations of Fine Aggregate Sample Based on Physical Properties (i.e. Specific gravity, water absorption, material finer than 75 μ , sieve analysis, deleterious materials, soundness, organic impurities)	IS: 2386
3.0	Alkali Aggregate Reactivity (Evaluation and Recommendation):	
3.1	Petrography	IS:2386-Pt-8
3.2	Accelerated Mortar Bar Test	ASTM-C-1260
3.3	Mortar Bar Test	IS:2386-Pt-7
3.4	Prism Bar Test	ASTM-C-1293
	Complete Evaluation and Recommendations from Sl No.3.1 to 3.4	–
4.0	Alkali Carbonate Reactivity (Evaluation and Recommendations)	ASTM-C-1105
5.0	Mica Content	As per NCB Procedure
6.0	Repeated Thermal Temperature Cycle Testing and Recommendations	As per NCB Procedure

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