



IS 383: 2016 Coarse and Fine Aggregate for Concrete-Specification **(Third Revision)**

Aggregates are important components for making concrete and properties of concrete are substantially affected by various characteristics of the aggregates used. Aggregates from natural sources form the major variety used for making concrete, mortar and other applications.

This standard covers the requirements for aggregates, crushed or uncrushed, derived from natural sources, such as river terraces and riverbeds, glacial deposits, rocks, boulders and gravels, and manufactured aggregates produced from other than natural sources, for use in the production of concrete for normal structural purposes including mass concrete works.

This standard includes the following parameters:

- Combined Flakiness and Elongation Index
- Mechanical Properties -
 - a) Aggregate Crushing Value
 - b) Aggregates Impact Value
 - c) Aggregate Abrasion Value
- Soundness of Aggregate
- Alkali Aggregate Reaction etc.

The method of sampling shall be in accordance with IS 2430. The amount of material required for each test shall be as specified in the relevant method of test given in IS 2386 (Part 1) to IS 2386 (Part 8).

The use of the Standard Mark is governed by the provisions of the Bureau of Indian Standards Act, 1986 and the Rules and Regulations made there under. The details of conditions under which a license for the use of the Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.