

## Synopsis of

### **IS 516 (Part 2/Sec 2) : 2020 Hardened Concrete – Methods of Test Part 2 Properties of Hardened Concrete other than Strength Section 2 Initial Surface Absorption (First Revision)**

This standard (Part 2/Sec 2) specifies a method for determining the initial surface absorption of oven dried concrete, non-oven dried concrete in the laboratory and of site concrete. Recommendations are given on areas of application of this method and the interpretation of results.

This standard (Part 2/Sec 2) covers the procedures for testing the properties of hardened concrete other than strength, namely initial surface absorption. This is a newly introduced test method. This test method gives data for assessing the uniaxial water penetration characteristics of a concrete surface. The results may be considered to be related to the quality of finish and to the durability of the surface under the effects of natural weathering. The initial surface absorption is the rate of flow of water into concrete per unit area from the start of the test to the end of the test and at a constant applied head. It is applicable to the zone of concrete immediately behind the surface. The thickness of the zone that influences the result of this test may range between a few millimetres and several centimetres depending on the nature and condition of the concrete.

This standard gives recommendations on areas of application of this method and on the interpretation of results.