ISO 20290-1:2021-11 (E)

Aggregates for concrete - Test methods for mechanical and physical properties - Part 1: Determination of bulk density, particle density, particle mass-per-volume and water absorption

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Determination of bulk density **2**
4.1 Principle 2
4.2 Apparatus and materials 2
4.3 Sampling 3
4.4 Procedure 3
4.4.1 Calibration of container 3
4.4.2 Uncompacted bulk density 3
4.4.3 Compacted bulk density 3
4.4.4 Compaction by other methods 4
4.5 Expression of test results 4
4.6 Test report 4

5 Determination of particle density and water absorption – Hydrostatic balance method **5**
5.1 Principle 5
5.2 Apparatus and materials 5
5.3 Sampling 5
5.4 Procedure 6
5.5 Expression of test results 7
5.6 Test report 8

6 Determination of the particle density and water absorption - Pycnometer method **8**
6.1 Principle 8
6.2 Apparatus and materials 8
6.3 Sampling 10
6.4 Procedure 10
6.5 Expression of test results 11
6.6 Test report 12