



BSI Standards Publication

**Source materials considered in the development  
of the Aggregate standards of TC 154**

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## National foreword

This Published Document is the UK implementation of CEN/TS 17438:2020.

The UK participation in its preparation was entrusted to Technical Committee B/502, Aggregates.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

## Source materials considered in the development of the Aggregate standards of TC 154

Bei der Erarbeitung der Normen für  
Gesteinskörnungen des CEN/TC 154

betrachtete Ausgangsstoffe

This Technical Specification (CEN/TS) was approved by CEN on 29 December 2019 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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## European foreword

This document (CEN/TS 17438:2020) has been prepared by Technical Committee CEN/TC 154 “Aggregates”, the secretariat of which is held by BSI.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

CEN/TC 154 intends to keep this document under continual review. Any relevant information to assist in the updating, including any proposal for the incorporation of new source material types, can be submitted to the secretariat of CEN/TC 154. The procedure for inclusion of new source materials is described in [Clause 6](#).

Source materials not described in this document can still be used as an aggregate, but the applicant will be aware that the relevant standard will not necessarily include all relevant aspects for use.

Due to the dynamic character of this document, no reference from the TC 154 aggregate standards towards this document is made with regard to the scope of these standards.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

This document informs users about the source materials that have been considered in the development of the aggregate standards:

- EN 12620, *Aggregates for concrete*;
- EN 13043, *Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas*;
- EN 13139, *Aggregates for mortar*;
- EN 13242, *Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction*;
- EN 13383-1, *Armourstone — Part 1: Product standard*;
- EN 13450, *Aggregates for railway ballast*;
- EN 13055, *Lightweight aggregates*;

Only source materials with a history of use in one or more member state are included in this document. It also specifies source materials with a history of use for the scope of only one specific aggregate standard.

## 2 Normative references

There are no normative references in this document.

## 3 Terms, definitions, symbols and abbreviations

### 3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

#### 3.1.1

##### **aggregate**

granular material of natural, manufactured or recycled origin used in construction

#### 3.1.2

##### **lightweight aggregate**

##### **LWA**

granular material of mineral origin having a particle density not exceeding 2 000 kg/m<sup>3</sup> (2,00 Mg/m<sup>3</sup>) or a loose bulk density not exceeding 1 200 kg/m<sup>3</sup> (1,20 Mg/m<sup>3</sup>)

#### 3.1.3

##### **manufactured aggregates**

aggregate of mineral origin resulting from an industrial process involving thermal or other modification

#### 3.1.4

##### **natural aggregate**

aggregate from mineral sources which has been subjected to nothing more than mechanical processing