



BSI Standards Publication

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

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.

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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.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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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.

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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.

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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 states 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/m³ (2,00 Mg/m³) or a loose bulk density not exceeding 1 200 kg/m³ (1,20 Mg/m³)

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