



NSAI
Standards

Irish Standard Recommendation
S.R. CEN/TS 17438:2020

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

S.R. CEN/TS 17438:2020

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

CEN/TS 17438:2020

Published:

2020-06-24

This document was published under the authority of the NSAI and comes into effect on:

2020-07-13

ICS number:

91.100.15

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

S.R. CEN/TS 17438:2020 is the adopted Irish version of the European Document CEN/TS 17438:2020, Source materials considered in the development of the Aggregate standards of TC 154

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

For relationships with other publications refer to the NSAI web store.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This page is intentionally left blank

TECHNICAL SPECIFICATION
SPÉCIFICATION TECHNIQUE
TECHNISCHE SPEZIFIKATION

CEN/TS 17438

June 2020

ICS 91.100.15

English Version

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

Matières premières secondaires prises en compte dans
l'élaboration des normes granulats du CEN/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.

CEN members are the national standards bodies of 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 United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Terms, definitions, symbols and abbreviations	4
3.1	Terms and definitions	4
4	Source materials for aggregates	5
4.1	Source materials with a history of use	5
4.2	Source materials with identified requirements on additional characteristics	7
5	Source materials for lightweight aggregates (LWA)	10
6	Procedure for the incorporation of new source materials	11
7	Descriptions	12
Bibliography		17

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.

CEN/TS 17438:2020 (E)

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

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-