



**SLOVENSKI STANDARD**  
**oSIST prEN 17555-1:2021**  
**01-september-2021**

---

**Agregati za gradbena dela - 1. del: Značilnosti**

Aggregates for construction works - Part 1: Characteristics

Gesteinskörnungen für Bauwerke - Teil 1: Produktnorm

Granulats pour travaux de construction - Partie 1 : caractéristiques

**Ta slovenski standard je istoveten z: prEN 17555-1**

[oSIST prEN 17555-1:2021](https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-d0d5af3414ca/osist-pren-17555-1-2021)

<https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-d0d5af3414ca/osist-pren-17555-1-2021>

**ICS:**

91.100.15      Mineralni materiali in izdelki      Mineral materials and products

**oSIST prEN 17555-1:2021**

**en,fr,de**

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[oSIST prEN 17555-1:2021](#)

<https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-d0d5af3414ca/osist-pren-17555-1-2021>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN 17555-1**

June 2021

ICS 91.100.15

Will supersede EN 12620:2002+A1:2008, EN  
13043:2002, EN 13139:2002, EN  
13242:2002+A1:2007

English Version

## Aggregates for construction works - Part 1: Characteristics

Granulats pour travaux de construction - Partie 1 :  
caractéristiques

Gesteinskörnungen für Bauwerke - Teil 1:  
Produktnorm

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 154.

If this draft becomes a European Standard, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

**Warning** : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

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

<b>Contents</b>	<b>Page</b>
European foreword.....	4
<b>1 Scope</b> .....	<b>6</b>
<b>2 Normative references</b> .....	<b>7</b>
<b>3 Terms, definitions, symbols and abbreviated terms</b> .....	<b>9</b>
<b>3.1 Terms and definitions</b> .....	<b>9</b>
<b>3.2 Symbols and abbreviated terms</b> .....	<b>12</b>
<b>4 Characteristics</b> .....	<b>15</b>
<b>4.1 Aggregates (not including added fillers)</b> .....	<b>15</b>
<b>4.1.1 Particle size, shape and density</b> .....	<b>15</b>
<b>4.1.2 Percentage of crushed particles</b> .....	<b>20</b>
<b>4.1.3 Cleanliness</b> .....	<b>20</b>
<b>4.1.4 Resistance to fragmentation/crushing</b> .....	<b>27</b>
<b>4.1.5 Resistance to polishing/abrasion/wear/attrition</b> .....	<b>28</b>
<b>4.1.6 Resistance to thermal shock</b> .....	<b>30</b>
<b>4.1.7 Composition/content</b> .....	<b>30</b>
<b>4.1.8 Volume stability</b> .....	<b>34</b>
<b>4.1.9 Water absorption/suction</b> .....	<b>35</b>
<b>4.1.10 Durability</b> .....	<b>36</b>
<b>4.1.11 Stiffening properties of fine fraction of aggregates not including added filler</b> .....	<b>39</b>
<b>4.1.12 Water solubility of fine fraction of aggregates not including added filler</b> .....	<b>40</b>
<b>4.2 Added fillers</b> .....	<b>40</b>
<b>4.2.1 Fineness / Particle size and density</b> .....	<b>40</b>
<b>4.2.2 Composition/content</b> .....	<b>40</b>
<b>4.2.3 Cleanliness</b> .....	<b>42</b>
<b>4.2.4 Stiffening properties</b> .....	<b>43</b>
<b>4.2.5 Water solubility and susceptibility</b> .....	<b>45</b>
<b>4.2.6 Soundness/volume stability</b> .....	<b>46</b>
<b>4.2.7 Loss on ignition (for fly ashes only)</b> .....	<b>46</b>
<b>5 Sampling and testing methods</b> .....	<b>47</b>
<b>5.1 Testing methods</b> .....	<b>47</b>
<b>5.1.1 General</b> .....	<b>47</b>
<b>5.1.2 Methylene blue value</b> .....	<b>47</b>
<b>5.1.3 Testing for carbonate content of added composite filler</b> .....	<b>47</b>
<b>5.1.4 Testing for carbonate content of filler of limestone origin</b> .....	<b>48</b>
<b>5.1.5 Testing for calcium hydroxide content of mixed filler</b> .....	<b>48</b>
<b>5.2 Sampling</b> .....	<b>48</b>
<b>6 Assessment and Verification of Constancy of Performance – AVCP</b> .....	<b>48</b>
<b>6.1 General</b> .....	<b>48</b>
<b>6.2 Assessment of performance</b> .....	<b>48</b>
<b>6.2.1 General</b> .....	<b>48</b>
<b>6.2.2 Test samples, testing and assessment criteria</b> .....	<b>49</b>
<b>6.3 Verification of constancy of performance</b> .....	<b>54</b>
<b>6.3.1 Factory production control (FPC)</b> .....	<b>54</b>
<b>6.3.2 Initial inspection of factory and of FPC for AVCP 2+ only</b> .....	<b>70</b>
<b>6.3.3 Continuous surveillance of FPC for AVCP 2+ only</b> .....	<b>70</b>

7	Marking, labelling and packaging .....	70
Annex ZA (informative) Relationship of this European Standard with Regulation (EU) No.305/2011 .....		72
Bibliography.....		88

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

[oSIST prEN 17555-1:2021](https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-d0d5af3414ca/osist-pren-17555-1-2021)

[https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-  
d0d5af3414ca/osist-pren-17555-1-2021](https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-d0d5af3414ca/osist-pren-17555-1-2021)

**prEN 17555-1:2021 (E)****European foreword**

This document (prEN 17555-1:2021) has been prepared by Technical Committee CEN/TC 154 “Aggregates”, the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

This document will supersede the following set of standards:

- EN 12620:2002+A1:2008,
- EN 13043:2002, together with EN 13043:2002/AC:2004,
- EN 13139:2002, together with EN 13139:2002/AC:2004, and
- EN 13242:2002+A1:2007.

The most significant technical changes compared to EN 12620:2002+A1:2008, EN 13043:2002, together with EN 13043:2002/AC:2004, EN 13139:2002, together with EN 13139:2002/AC:2004, and EN 13242:2002+A1:2007 include:

- a) unification and clarifications of the scope statement;
- b) unification and improvement of definitions for aggregate families and other matters which were common across the four main aggregate standards EN 12620, EN 13043, EN 13139 and EN 13242, i.e. for coarse, fine, all-in aggregates, natural graded aggregates, grit and added fillers;
- c) updating and improving references to supporting test methods;
- d) consolidation of classes for characteristics, including:
  - a. merging of classes which were common across the four main aggregate standards: EN 12620, EN 13043, EN 13139 and EN 13242;
  - b. addition of classes to respond to requests from Member States;
  - c. addition of intermediate classes to provide a more uniform sequence;
- e) with regard to aggregates (not including added filler):
  - a. unification of overall limits for graded coarse aggregates at mid-size sieves;
  - b. removal of clauses referring to tolerances on grading;
  - c. deletion of classes (and replacement with a simple level declaration) for proportions of constituents of recycled aggregates and for water absorption linked to freeze thaw resistance;
  - d. addition of new classes for the following: grading, particle shape, crushed particles, fines content, sand equivalent value; methylene blue value; shell content, lightweight contaminators, resistance to fragmentation, resistance to wear, resistance to abrasion from studded tyres, total sulfur content, water soluble sulfate content of recycled aggregates, effect of organic contaminators on the rate of setting and hardening of concrete mortar and hydraulically bound mixtures – recycled aggregates, resistance to weathering – magnesium sulfate soundness;

- e. introduction of aggregate proxy characteristics and classes for the following:; susceptibility to attrition; resistance to weathering – water absorption; water soluble sulfate content of coarse natural aggregates; resistance to freezing and thawing in the presence of salt;
  - f. formal addition of characteristics and some classes for the fine fraction of aggregates not including added filler. These are identical to the equivalent tests for added fillers and previously were just cross referenced to filler tests;
  - g. removal of simple petrographic description from the characteristics and inclusion instead under the marking labelling and packaging clause;
- f) with regard to added fillers:
- a. addition of new classes for total sulfur content, harmful fines, water content, volume of voids and change of the softening point, carbonate content of filler of limestone origin, loss on ignition;
  - b. removal of the clause relating to specific surface area of added filler;
  - c. introduction of a new characteristic and classes for carbonate content of composite filler;
- g) restructuring of all clauses to be in line with the requirements of the Construction Product Regulations;
- h) introduction of revised AVCP clauses and tables, although minimum test frequencies are almost unchanged.

**iTeh STANDARD PREVIEW**  
(standards.iteh.ai)

Provisions for other types of aggregates and their intended uses are specified in the following European Standards: <https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-d0d5af3414ca/osist-pren-17555-1-2021>

- prEN 13055:2021, *Lightweight aggregates*
- prEN 13383-1:2021, *Armourstone — Part 1: Characteristics*
- prEN 13450-1:2021, *Aggregates for railway ballast — Part 1: Characteristics*

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

For relationship with Regulation (EU) No. 305/2011 on construction products (CPR), see informative Annex ZA, which is an integral part of this document.

**prEN 17555-1:2021 (E)****1 Scope**

This document specifies the characteristics of aggregates, i.e. aggregates without added fillers (see 3.1.1 a) and added fillers (see 3.1.1 b), for uses, either with or without high safety requirements, for:

- a) concrete for buildings, roads and other civil engineering works,
- b) bituminous mixtures and surface treatments for roads, airfields and other trafficked areas,
- c) mortars, renders and screeds, e.g. masonry mortar, floor/screed mortar, surfacing of internal walls (plastering mortar), rendering of external walls, special bedding materials, repair mortar and grouts for buildings, roads and civil engineering works;
- d) unbound and hydraulically bound materials for civil engineering works and road constructions.

With regard to the material source and production process, this document covers natural aggregate (see 3.1.2), manufactured aggregate (see 3.1.3), recycled aggregates (see 3.1.4), and mixtures of these materials.

Aggregates covered in this document are:

- a) aggregates without added fillers, including coarse aggregates (see 3.1.8), grit (see 3.1.11), fine aggregates (see 3.1.12), all-in aggregates (see 3.1.13), natural graded aggregates (see 3.1.14); and
- b) added fillers (see 3.1.15).

Coarse aggregates covered in this document are single sized coarse aggregates (see 3.1.9) and graded coarse aggregates (see 3.1.10).

Added fillers covered in this document are natural fillers (see 3.1.16), manufactured fillers (see 3.1.18), mixed fillers (see 3.1.19), composite fillers (see 3.1.20) and recycled fillers (see 3.1.21). Natural fillers include fillers of limestone origin (see 3.1.17).

This document does not cover:

- natural and manufactured aggregates, having oven-dried particle density less than or equal to 2,00 Mg/m<sup>3</sup>, as they are already specified in prEN 13055:2021,
- recycled aggregates, with particle densities less than 1,50 Mg/m<sup>3</sup>,
- aggregates with a nominal upper size greater than 90 mm,
- armourstone, as this is specified in prEN13383-1:2021,
- aggregates for railway ballast, as these are specified in prEN 13450-1:2021,
- use of aggregates contained within reclaimed bituminous mixtures, as the reclaimed asphalt for use as a constituent of bituminous mixtures is already specified in EN 13108-8:2016,
- use of aggregates as soil,
- use of aggregates in earthworks, as these are specified in EN 16907-2:2018.



## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 196-2:2013, *Method of testing cement - Part 2: Chemical analysis of cement*

EN 459-2:—,<sup>1</sup> *Building lime — Part 2: Test methods*

prEN 932-3:2021, *Tests for general properties of aggregates — Part 3: Procedure and terminology for simplified petrographic description*

prEN 933-1:2021, *Tests for geometrical properties of aggregates — Part 1: Determination of particle size distribution — Sieving method*

EN 933-3:2012, *Tests for geometrical properties of aggregates - Part 3: Determination of particle shape - Flakiness index*

EN 933-4:2008, *Tests for geometrical properties of aggregates - Part 4: Determination of particle shape - Shape index*

prEN 933-5:2021, *Tests for geometrical properties of aggregates — Part 5: Determination of percentage of crushed and broken surfaces in coarse aggregate particles*

prEN 933-6:2021, *Tests for geometrical properties of aggregates — Part 6: Assessment of surface characteristics — Flow coefficient of aggregates*

EN 933-7:1998, *Tests for geometrical properties of aggregates - Part 7: Determination of shell content - Percentage of shells in coarse aggregates*

EN 933-8:2012+A1:2015, *Tests for geometrical properties of aggregates - Part 8: Assessment of fines - Sand equivalent test*

prEN 933-9:2021, *Tests for geometrical properties of aggregates — Part 9: Assessment of fines — Methylene blue test*

EN 933-10:2009, *Tests for geometrical properties of aggregates - Part 10: Assessment of fines - Grading of filler aggregates (air jet sieving)*

prEN 933-11:2021, *Tests for geometrical properties of aggregates — Part 11: Classification test for the constituents of coarse recycled aggregate*

prEN 1097-1:2021, *Tests for mechanical and physical properties of aggregates — Part 1: Determination of the resistance to wear (micro-Deval)*

EN 1097-2:2020, *Tests for mechanical and physical properties of aggregates - Part 2: Methods for the determination of resistance to fragmentation*

EN 1097-4:2008, *Tests for mechanical and physical properties of aggregates - Part 4: Determination of the voids of dry compacted filler*

<sup>1</sup> To be published. Stage at the time of publication: EN 459-2:2021.

**prEN 17555-1:2021 (E)**

EN 1097-5:2008, *Tests for mechanical and physical properties of aggregates - Part 5: Determination of the water content by drying in a ventilated oven*

prEN 1097-6:2021, *Tests for mechanical and physical properties of aggregates — Part 6: Determination of particle density and water absorption*

prEN 1097-7:2021, *Tests for mechanical and physical properties of aggregates - Part 7: Determination of the particle density of filler — Pycnometer method*

EN 1097-8:2020, *Tests for mechanical and physical properties of aggregates - Part 8: Determination of the polished stone value*

EN 1097-9:2014, *Tests for mechanical and physical properties of aggregates - Part 9: Determination of the resistance to wear by abrasion from studded tyres - Nordic test*

EN 1097-10:2014, *Tests for mechanical and physical properties of aggregates - Part 10: Determination of water suction height*

EN 1367-1:2007, *Tests for thermal and weathering properties of aggregates - Part 1: Determination of resistance to freezing and thawing*

EN 1367-2:2009, *Tests for thermal and weathering properties of aggregates — Part 2: Magnesium sulfate test*

EN 1367-3:2001,<sup>2</sup> *Tests for thermal and weathering properties of aggregates - Part 3 : Boiling test for "Sonnenbrand basalt"*

EN 1367-4:2008, *Tests for thermal and ~~weathering properties~~ of aggregates - Part 4: Determination of drying shrinkage* <https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-d0d5af3414ca/osist-pren-17555-1-2021>

EN 1367-5:2011, *Tests for thermal and weathering properties of aggregates - Part 5: Determination of resistance to thermal shock*

EN 1367-6:2008, *Tests for thermal and weathering properties of aggregates - Part 6: Determination of resistance to freezing and thawing in the presence of salt (NaCl)*

EN 1744-1:2009+A1:2012, *Tests for chemical properties of aggregates - Part 1: Chemical analysis*

EN 1744-4:2005, *Tests for chemical properties of aggregates - Part 4: Determination of water susceptibility of fillers for bituminous mixtures*

EN 1744-5:2006, *Tests for chemical properties of aggregates - Part 5: Determination of acid soluble chloride salts*

EN 1744-6:2006, *Tests for chemical properties of aggregates - Part 6: Determination of the influence of recycled aggregate extract on the initial setting time of cement*

EN 13179-1:2013, *Tests for filler aggregate used in bituminous mixtures - Part 1: Delta ring and ball test*

EN 13179-2:2000, *Tests for filler aggregate used in bituminous mixtures — Part 2: Bitumen number*

---

<sup>2</sup> As impacted by EN 1367-3:2001/AC:2004.

### 3 Terms, definitions, symbols and abbreviated terms

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:

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

#### 3.1 Terms and definitions

##### 3.1.1

##### **aggregate**

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

- a) aggregates without added fillers, and
- b) added fillers

##### 3.1.2

##### **natural aggregate**

aggregate from mineral sources that has been subjected to nothing more than mechanical processing and sometimes washing

##### 3.1.3

##### **manufactured aggregate**

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

iTeh STANDARD PREVIEW  
(standards.iteh.ai)

oSIST prEN 17555-1:2021

Note 1 to entry: Manufactured aggregates (not including added filler) are of different types, including those, namely air-cooled blast furnace slags, steel slags and foundry cupola furnace slags, for which this standard defines application of specific test methods to cover some essential characteristics.

##### 3.1.4

##### **recycled aggregate**

aggregate resulting from the processing of mineral material either previously used in construction or from the processing of the residues of material production

Note 1 to entry: Recycled aggregates can also be obtained from production residues e.g. crushed unused concrete.

##### 3.1.5

##### **aggregate size**

designation of aggregate in terms of lower ( $d$ ) and upper ( $D$ ) sieve sizes expressed as  $d/D$ , where  $d/D < 0,72$

Note 1 to entry: Sieve sizes are selected from those in EN 933-2:2020.

Note 2 to entry: This designation accepts the presence of some particles which are retained on the upper sieve (oversize) and some which pass the lower sieve (undersize).

**prEN 17555-1:2021 (E)****3.1.6  
grading**

particle size distribution expressed as the percentages by mass passing a specified set of sieves

Note 1 to entry: The grading classes are designated as  $G_n X/Y$  ( $n = C, CA, G$  or  $GA$ ) or as  $G_n X$  ( $n = F, NG$  or  $A$ ) in which:

n: type of grading defined below:

C = coarse;

CA = coarse aggregates for bituminous mixtures only;

G = grit;

GA = grit for bituminous mixtures only;

F = fine;

NG = natural graded;

A = all-in;

X : minimum percentage by mass passing the upper ( $D$ ) sieve size;

Y : maximum percentage by mass passing the lower ( $d$ ) sieve size.

**3.1.7****fines**

particle size fraction of an aggregate that passes the 0,063 mm sieve

**3.1.8****coarse aggregate**

designation given to the larger aggregate sizes with  $D$  greater than 4 mm and less than 90mm and  $d$  greater than or equal to 1 mm

**3.1.9****single sized coarse aggregate**

designation given to coarse aggregate where either

$D > 11,2$  mm and  $D/d \leq 2$  or

$D \leq 11,2$  mm and  $D/d \leq 4$

**3.1.10****graded coarse aggregate**

designation given to coarse aggregate where either

$D > 11,2$  mm and  $D/d > 2$  or

$D \leq 11,2$ mm and  $D/d > 4$

**3.1.11****grit**

designation given to the aggregate sizes with  $D$  less than or equal to 4 mm and  $d$  greater than or equal to 1 mm

**3.1.12****fine aggregate**

designation given to the smaller aggregate sizes with  $D$  less than or equal to 4 mm and  $d$  equal to 0

**3.1.13****all-in aggregate**

processed aggregate consisting of a mixture of coarse and fine aggregates with  $D$  greater than 4 mm and  $d$  equal to 0

Note 1 to entry: It can be produced without separating into coarse and fine fractions or it can be produced by combining coarse and fine aggregates.

**3.1.14****natural graded aggregate**

designation given to natural aggregate sizes of glacial and/or fluvial origin with  $D$  less than or equal to 8 mm and  $d$  equal to 0

**3.1.15****added filler**

aggregate, at least 70% of which passes the 0,063 mm sieve, that has been produced separately, which can be added to construction materials to provide their performances required for certain end uses

Note 1 to entry: Added filler is sometimes described as 'filler aggregate'.

**3.1.16****natural filler**

added filler from mineral sources that has been subjected to nothing more than mechanical processing

**3.1.17****filler of limestone origin**

added filler produced from limestone, dolomitised limestone or dolomite

iTeh STANDARD PREVIEW

(standards.iteh.ai)

[oSIST prEN 17555-1:2021](https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-d0d5af3414ca/osist-pren-17555-1-2021)[https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-](https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-d0d5af3414ca/osist-pren-17555-1-2021)[d0d5af3414ca/osist-pren-17555-1-2021](https://standards.iteh.ai/catalog/standards/sist/6707c872-aa3e-4979-9b61-d0d5af3414ca/osist-pren-17555-1-2021)**3.1.18****manufactured filler**

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

Note 1 to entry: Manufactured added fillers are of different types, including those, namely fly ashes, for which this standard defines application of specific test methods to cover some essential characteristics. .

**3.1.19****mixed filler**

added filler comprising natural or manufactured filler mixed with calcium hydroxide

**3.1.20****composite filler**

added filler comprising filler of limestone origin mixed with fly ash

**3.1.21****recycled filler**

added filler resulting from the processing of mineral material either previously used in construction or obtained from the residues of material production

**3.1.22****particle size fraction**

fraction of an aggregate passing the larger of two sieves and retained on the smaller

Note 1 to entry: The lower limit can be zero.

**prEN 17555-1:2021 (E)****3.1.23****oversize**

part of the aggregate retained on the upper of the limiting sieves used in aggregate size description

**3.1.24****undersize**

part of the aggregate passing the lower of the limiting sieves used in aggregate size description

**3.1.25****product family**

group of products produced by one manufacturer for which the assessment results for one or more characteristics from any one product within the range are valid for all other products within this range

**3.2 Symbols and abbreviated terms**

For the purposes of this document, the following symbols and abbreviations apply:

<b>Symbol/Acronym</b>	<b>Meaning:</b>
<i>A</i>	Change in the initial setting time
<i>AAV</i>	Aggregate Abrasion Value
<i>A<sub>N</sub></i>	Resistance against abrasion from studded tires (Nordic Abrasion value)
<i>AS</i>	Acid-soluble sulfate content
<i>AVCP</i>	Assessment for Verification of Constancy of Performance
<i>BN</i>	Bitumen Number (of added filler)
<i>C</i>	(Percentage of) Crushed particles
<i>CC<sub>f</sub></i>	Carbonate Content of composite filler
<i>CC<sub>l</sub></i>	Carbonate Content of filler of limestone origin
<i>d</i>	lower sieve size designation in mm
<i>D</i>	upper sieve size designation in mm
<i>d/D</i>	Aggregate size designation
<i>E<sub>CS</sub></i>	Flow coefficient of fine aggregates
<i>f</i>	Fines content
<i>F</i>	Freeze thaw resistance
<i>F<sub>EC</sub></i>	Freeze thaw resistance in the presence of salt (extreme conditions)
<i>FI</i>	Flakiness Index
<i>G<sub>n</sub> X/Y</i>	Grading (for “n”, “X” and “Y” see 3.1.6)
<i>I</i>	Percentage passing the 5 mm sieve after thermal shock
<i>Ka</i>	Calcium hydroxide content (of mixed filler)
<i>LA</i>	Los Angeles coefficient
<i>L<sub>i</sub></i>	Loss on ignition
<i>MB, MB<sub>A</sub></i>	Methylene Blue value

Symbol/Acronym	Meaning:
$MB_F$	Methylene Blue value of filler
$M_{DE}$	Micro-Deval coefficient
$m_{LPC}$	Lightweight contaminators
$MS$	Magnesium Sulfate soundness
$PSV$	Polished stone value
$Q$	Swelling of a Marshall specimen
$S$	Total sulfur content
$SC$	Shell content
$SE_{10}, SE_4$	Sand equivalent value
$SI$	Shape Index
$SS$	Water-soluble sulfate content
$SZ$	Impact value
$v$	voids content of dry compacted filler (Rigden)
$V$	Volume Stability
$V_{LA}$	Absolute loss of Los Angeles coefficient after thermal shock
$V_{SZ}$	Absolute loss of impact value after thermal shock
$WC$	Water Content (of added filler)
$WS$	Water Solubility (of filler)
$\Delta_{R\&B}$	Delta Ring and Ball (softening point)