

<b>STN</b>	<b>Nestmelené zmesi Špecifikácie</b>	<b>STN EN 13285</b>  73 6162
------------	--	--

Unbound mixtures - Specifications

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/18

Obsahuje: EN 13285:2018

Oznámením tejto normy sa ruší  
STN EN 13285 (73 6182) z marca 2011

**127647**

EUROPEAN STANDARD

**EN 13285**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2018

ICS 93.080.20

Supersedes EN 13285:2010

English Version

**Unbound mixtures - Specifications**

Graves non traitées - Spécifications

Ungebundene Gemische - Anforderungen

This European Standard was approved by CEN on 20 February 2017.

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. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists 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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, 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**

**EN 13285:2018 (E)****Contents**

Page

European foreword.....	3
<b>1 Scope .....</b>	<b>4</b>
<b>2 Normative references .....</b>	<b>4</b>
<b>3 Terms and definitions .....</b>	<b>5</b>
<b>4 Requirements .....</b>	<b>5</b>
4.1 General requirements .....	5
4.2 Aggregate requirements.....	5
4.3 Mixture requirements .....	6
4.3.1 Mixture designation .....	6
4.3.2 Fines content.....	6
4.3.3 Oversize .....	7
4.3.4 Grading requirements.....	8
4.3.5 Laboratory dry density and water content.....	12
4.3.6 Other requirements .....	13
4.3.7 Dangerous substances.....	13
<b>5 Assessment and verification of constancy of performance — AVCP .....</b>	<b>13</b>
5.1 General.....	13
5.2 Type Testing.....	14
5.2.1 General.....	14
5.2.2 Characteristics, testing and conformity criteria.....	14
5.2.3 Test reports.....	15
5.2.4 Shared other party results.....	15
5.3 Factory production control (FPC) .....	16
5.3.1 General.....	16
5.3.2 Requirements .....	16
5.3.3 Product specific requirements.....	21
5.3.4 Procedure for modifications .....	22
<b>6 Classification and designation.....</b>	<b>22</b>
<b>7 Marking and labelling.....</b>	<b>22</b>
<b>Annex A (informative) Use of the manufacturer’s declared value .....</b>	<b>24</b>
A.1 Terminology.....	24
A.2 Overall grading range .....	24
A.3 Manufacturer’s declared value grading range.....	25
A.4 Manufacturer’s declared value (MDV) .....	25
A.5 Tolerances for comparison with the manufacturer’s declared value.....	25
<b>Annex B (informative) Guidance on the assessment of the mechanical behaviour of unbound mixtures .....</b>	<b>26</b>
<b>Annex C (informative) A-deviations .....</b>	<b>27</b>
<b>Bibliography.....</b>	<b>28</b>

## European foreword

This document (EN 13285:2018) has been prepared by Technical Committee CEN/TC 227 “Roads materials”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2018, and conflicting national standards shall be withdrawn at the latest by March 2020.

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

This document supersedes EN 13285:2010.

Compared with EN 13285:2010 the following changes have been made:

- a) Introduction of new categories for mixtures, designations, grading and fines content;
- b) adjustment of scope for new categories to an upper sieve size ( $D$ ) range from 5,6 mm to 90 mm;
- c) introduction of definitions for new terms;
- d) A-Deviation by Estonia introduced in new Annex C. The former Annex C is now part of Clause 5.

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

**EN 13285:2018 (E)****1 Scope**

This European Standard specifies requirements for unbound mixtures used for construction and maintenance of roads, airfields and other trafficked areas.

This European Standard applies to unbound mixtures of natural, manufactured and recycled aggregates with an upper sieve size ( $D$ ) from 5,6 mm to 90 mm and lower sieve size ( $d$ ) = 0 at the point of delivery.

NOTE 1 Mixtures with an upper sieve size ( $D$ ) greater than 90 mm are not covered by this European Standard but may be specified in the place of use.

NOTE 2 Water content of the mixture and the density of the installed layer are not specified mixture requirements. Both parameters are related to the control of the construction of the layer and are outside the scope of this European Standard.

The aggregate requirements are defined with appropriate cross-reference to EN 13242.

Use of aggregates as soil is not covered by this standard.

**2 Normative references**

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies

EN 932-1, *Tests for general properties of aggregates — Part 1: Methods for sampling*

EN 932-5, *Tests for general properties of aggregates — Part 5: Common equipment and calibration*

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

EN 13242, *Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction*

EN 13286-1, *Unbound and hydraulically bound mixtures — Part 1: Test methods for laboratory reference density and water content — Introduction, general requirements and sampling*

EN 13286-2, *Unbound and hydraulically bound mixtures — Part 2: Test methods for laboratory reference density and water content — Proctor compaction*

EN 13286-3, *Unbound and hydraulically bound mixtures — Part 3: Test methods for laboratory reference density and water content — Vibrocompression with controlled parameters*

EN 13286-4, *Unbound and hydraulically bound mixtures — Part 4: Test methods for laboratory reference density and water content — Vibrating hammer*

EN 13286-5, *Unbound and hydraulically bound mixtures — Part 5: Test methods for laboratory reference density and water content — Vibrating table*

EN 16236, *Assessment and Verification of the Constancy of Performance (AVCP) of aggregates — Type testing and Factory Production Control*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**