

STN	Geotextílie a geotextíliám podobné výrobky. Vlastnosti požadované v odvodňovacích systémoch.	STN EN 13252 80 6107
------------	---	--

Geotextiles and geotextile-related products - Characteristics required for use in drainage systems

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. 03/17

Obsahuje: EN 13252:2016

Oznámením tejto normy sa od 31.07.2018 ruší
STN EN 13252+A1 (80 6107) z decembra 2015

124109

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2017
Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

EN 13252

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2016

ICS 59.080.70

Supersedes EN 13252:2014+A1:2015

English Version

Geotextiles and geotextile-related products - Characteristics required for use in drainage systems

Géotextiles et produits apparentés - Caractéristiques
requis pour l'utilisation dans les systèmes de
drainage

Geotextilien und geotextilverwandte Produkte -
Geforderte Eigenschaften für die Anwendung in
Dränanlagen

This European Standard was approved by CEN on 4 June 2016.

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, 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: Avenue Marnix 17, B-1000 Brussels

Contents

Page

European foreword.....	4
Introduction	5
1 Scope	6
2 Normative references.....	6
3 Terms, definitions and abbreviations	7
3.1 Terms and definitions	7
3.2 Abbreviations	8
4 Required characteristics and corresponding methods of test.....	8
4.1 General.....	8
4.2 Selection of the appropriate standard in a specific application	9
4.3 Characteristics relevant to specific conditions of use (S-coded characteristics).....	12
4.3.1 Tensile strength of seams and joints.....	12
4.3.2 Strength of structural junctions - geocomposites	12
4.3.3 Static puncture	12
4.3.4 Friction characteristics.....	12
4.3.5 Compression strength under load	12
4.3.6 Resistance to damage during installation.....	12
4.3.7 Water flow capacity.....	12
4.4 Release of dangerous substances.....	12
5 Assessment and verification of constancy of performance (AVCP)	13
5.1 General.....	13
5.2 Presentation of characteristics.....	13
5.3 Product type determination (PTD).....	13
5.4 Factory production control (FPC)	14
5.5 Verification of values	14
5.6 Initial inspection of factory and of FPC	14
5.7 Continuous surveillance of FPC.....	15
6 Marking.....	15
Annex A (normative) Factory production control.....	16
A.1 Factory production control scheme	16
A.1.1 General.....	16
A.1.2 Product design	16
A.1.3 Production	16
A.1.4 Finished products	16
A.1.5 Provisions applicable to A.1.2, A.1.3 and A.1.4 (to be used where appropriate).....	17
A.2 Assessment of a factory production control (FPC) system.....	18
A.2.1 General.....	18
A.2.2 Checklist	18
A.2.3 Test frequency.....	22
Annex B (normative) Durability aspects	23
B.1 General.....	23
B.1.1 Service life.....	23

B.1.2	Initial and repeat testing of durability	23
B.1.3	Use of rework material	24
B.2	Weathering (all products)	24
B.3	Products used in non-reinforcing applications and with service lives up to 5 years	24
B.4	Other applications and service lives up to 25 years, 50 years and 100 years	25
B.4.1	General	25
B.4.2	Tests for specific materials	25
Annex C (informative)	Guidelines for the selection of the appropriate standard in a specific application	29
Annex D (informative)	Significant technical changes to superseded versions of this standard	31
Annex ZA (informative)	Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation	32
Bibliography	44

European foreword

This document (EN 13252:2016) has been prepared by Technical Committee CEN/TC 189 “Geosynthetics”, the secretariat of which is held by NBN.

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 April 2017, and conflicting national standards shall be withdrawn at the latest by July 2018.

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 supersedes EN 13252:2014+A1:2015.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Regulation No 305/2011.

For relationship with Regulation (EU) Nr. 305/2011, see informative Annex ZA, which is an integral part of this document.

Annex D provides details of significant technical changes between this European Standard and the previous editions.

According to the CEN-CENELEC Internal Regulations, the national standards organisations 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

This European Standard allows manufacturers to describe geotextiles and geotextile-related products on the basis of declared values for characteristics relevant to the intended use and if tested to the specified method. It also includes procedures for the assessment and verification of constancy of performance and factory production control.

This European Standard may also be used by designers, end-users and other interested parties to define which functions and conditions of use are relevant.

The term “product” used in this European Standard refers to a geotextile or geotextile-related product.

This European Standard is part of a series of standards, addressing the requirements for geotextiles and geotextile-related products when used in a specific application. Annex C provides guidance on how to select the appropriate standard.

1 Scope

This European Standard specifies the relevant characteristics of geotextiles and geotextile-related products used in drainage systems and the appropriate test methods to determine these characteristics.

The intended use of these geotextiles or geotextile-related products is to fulfil one or more of the following functions: filtration, separation and drainage. The separation function is always used in conjunction with filtration or drainage. Accordingly, separation will never be specified alone.

This European Standard is not applicable to geosynthetic barriers, as defined in EN ISO 10318-1.

This European Standard provides for the assessment and verification of constancy of performance of the product to this European Standard and for factory production control procedures.

This European Standard defines requirements to be met by manufacturers and distributors with regard to the presentation of product properties.

Particular application cases may contain requirements regarding additional properties and – preferably standardized – test methods, if they are technically relevant.

This European Standard may be used to derive design values by taking into account factors within the context of the definitions given in EN 1997-1 (Eurocode 7), e.g. factors of safety. The design life of the product should be determined, since its function may be temporary, as a construction expediency, or permanent, for the lifetime of the structure.

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 12224, *Geotextiles and geotextile-related products - Determination of the resistance to weathering*

EN 12226, *Geosynthetics - General tests for evaluation following durability testing*

EN 12447, *Geotextiles and geotextile-related products - Screening test method for determining the resistance to hydrolysis in water*

EN ISO 1043-1, *Plastics - Symbols and abbreviated terms - Part 1: Basic polymers and their special characteristics (ISO 1043-1)*

EN ISO 3696, *Water for analytical laboratory use - Specification and test methods (ISO 3696)*

EN ISO 9862, *Geosynthetics - Sampling and preparation of test specimens (ISO 9862)*

EN ISO 10318-1, *Geosynthetics - Part 1: Terms and definitions (ISO 10318-1)*

EN ISO 10319, *Geosynthetics - Wide-width tensile test (ISO 10319)*

EN ISO 10320, *Geotextiles and geotextile-related products - Identification on site (ISO 10320)*

EN ISO 10321, *Geosynthetics - Tensile test for joints/seams by wide-width strip method (ISO 10321)*

EN ISO 10722, *Geosynthetics - Index test procedure for the evaluation of mechanical damage under repeated loading - Damage caused by granular material (ISO 10722)*

EN ISO 11058, *Geotextiles and geotextile-related products - Determination of water permeability characteristics normal to the plane, without load (ISO 11058)*

EN ISO 12236, *Geosynthetics - Static puncture test (CBR test) (ISO 12236)*

EN ISO 12956, *Geotextiles and geotextile-related products - Determination of the characteristic opening size (ISO 12956)*

EN ISO 12957-1, *Geosynthetics - Determination of friction characteristics - Part 1: Direct shear test (ISO 12957-1)*

EN ISO 12957-2, *Geosynthetics - Determination of friction characteristics - Part 2: Inclined plane test (ISO 12957-2)*

EN ISO 12958, *Geotextiles and geotextile-related products - Determination of water flow capacity in their plane (ISO 12958)*

EN ISO 13426-1, *Geotextiles and geotextile-related products - Strength of internal structural junctions - Part 1: Geocells (ISO 13426-1)*

EN ISO 13426-2, *Geotextiles and geotextile-related products - Strength of internal structural junctions - Part 2: Geocomposites (ISO 13426-2)*

EN ISO 13433, *Geosynthetics - Dynamic perforation test (cone drop test) (ISO 13433)*

EN ISO 13438, *Geotextiles and geotextile-related products - Screening test method for determining the resistance to oxidation (ISO 13438)*

EN ISO 25619-1, *Geosynthetics - Determination of compression behaviour - Part 1: Compressive creep properties (ISO 25619-1)*

EN ISO 25619-2, *Geosynthetics - Determination of compression behaviour - Part 2: Determination of short-term compression behaviour (ISO 25619-2)*

ISO 10390, *Soil quality — Determination of pH*

ASTM D7409 — 15, *Standard Test Method for Carboxyl End Group Content of Polyethylene Terephthalate (PET) Yarns*

ASTM D4603 — 03(2011) e1, *Standard Test Method for Determining Inherent Viscosity of Poly(Ethylene Terephthalate) (PET) by Glass Capillary Viscometer*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN