

საქართველოს სტანდარტი

გეოტექსტილები და გეოტექსტილის პროდუქტები - საჭირო მახასიათებლების გამოყენება მიწის სამუშაოებზე, ფუნდამენტებსა და საყრდენ სტრუქტურებში

საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.

საქართველოს სტანდარტებისა და მეტროლოგიის
ეროვნული სააგენტო
თბილისი

სსტ ენ 13251:2016/2018

საინფორმაციო მონაცემები

1 შემუშავებულია საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს სტანდარტების დეპარტამენტის მიერ

2 დამტკიცებულია და შემოღებულია სამოქმედოდ საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს 2018 წლის 17 აგვისტოს № 85 განკარგულებით

3 მიღებულია გარეკანის თარგმნის მეთოდით სტანდარტიზაციის ევროპული კომიტეტის სტანდარტი ენ 13251:2016 „ გეოტექსტილები და გეოტექსტილის პროდუქტები - საჭირო მახასიათებლების გამოყენება მიწის სამუშაოებზე, ფუნდამენტებსა და საყრდენ სტრუქტურებში“

4 პირველად

5 რეგისტრირებულია საქართველოს სტანდარტების და მეტროლოგიის ეროვნული სააგენტოს რეესტრში: 2018 წლის 17 აგვისტო №268-1.3-013938

აკრძალულია ამ სტანდარტის გადაცემა მესამე პირებისათვის ან/და მისი სხვა ფორმით გავრცელება

საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.

English Version

Geotextiles and geotextile-related products -
Characteristics required for use in earthworks,
foundations and retaining structures

Géotextiles et produits apparentés - Caractéristiques
requis pour l'utilisation dans les travaux de
terrassement, les fondations et les structures de
soutènement

Geotextilien und geotextilverwandte Produkte -
Geforderte Eigenschaften für die Anwendung im Erd-
und Grundbau sowie in Stützbauwerken

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 8

4.3 Characteristics relevant to specific conditions of use 11

4.3.1 Stiffness at 2 %, 5 % and 10 % 11

4.3.2 Tensile strength of seams and joints..... 11

4.3.3 Static puncture 11

4.3.4 Friction characteristics 11

4.3.5 Tensile creep..... 11

4.3.6 Resistance to damage during installation..... 11

4.3.7 Water permeability normal to the plane..... 11

4.4 Release of dangerous substances 11

5 Assessment and verification of constancy of performance (AVCP) 12

5.1 General..... 12

5.2 Presentation of characteristics 12

5.3 Product type determination (PTD)..... 12

5.4 Factory production control (FPC) 13

5.5 Verification of values 13

5.6 Initial inspection of factory and of FPC 14

5.7 Continuous surveillance of FPC..... 14

6 Marking..... 14

Annex A (normative) Factory production control (FPC) 15

A.1 Factory production control scheme 15

A.1.1 General..... 15

A.1.2 Product design 15

A.1.3 Production 15

A.1.4 Finished products 15

A.1.5 Provisions applicable to A.1.2, A.1.3 and A.1.4 (to be used where appropriate) 16

A.2 Assessment of a factory production control (FPC) system..... 17

A.2.1 General..... 17

A.2.2 Checklist 17

საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.

A.2.3	Test frequency	21
Annex B	(normative) Durability aspects	22
B.1	General	22
B.1.1	Service life	22
B.1.2	Initial and repeat testing of durability	22
B.1.3	Use of rework material	23
B.2	Weathering (all products)	23
B.3	Products used in non-reinforcing applications and with service lives up to 5 years	23
B.4	Other applications and service lives up to 25 years, 50 years and 100 years	24
B.4.1	General	24
B.4.2	Tests for specific materials	24
Annex C	(informative) Guidelines for the selection of the appropriate standard in a specific application	28
Annex D	(informative) Significant technical changes to superseded versions of this standard	30
Annex ZA	(informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation	31
ZA.1	Scope and relevant characteristics	31
ZA.2	Procedure for AVCP of Geotextiles and geotextiles-related products for the use in the construction of earthworks, foundations and retaining structures	36
ZA.2.1	Systems of AVCP	36
ZA.2.2	Declaration of performance (DoP)	39
ZA.3	CE marking and labelling	43
Bibliography	44

European foreword

This document (EN 13251:2016) 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 13251:2014+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.

საინფორმაციო ნაწილი. სრული ტექსტის სანახავად შეიძინეთ სტანდარტი.

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 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.