BSI Standards Publication

Geosynthetics

Part 1: Terms and definitions

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National foreword

This British Standard is the UK implementation of EN ISO 10318-1:2015+A1:2018. It is identical to ISO 10318-1:2015, incorporating amendment 1:2018. It supersedes BS EN ISO 10318-1:2015, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to ISO text carry the number of the ISO amendment. For example, text altered by ISO amendment A1 is indicated by 〚A1〉 〈A1〛.

The UK participation in its preparation was entrusted to Technical Committee B/553, Geosynthetics.

A list of organizations represented on this committee can be obtained on request to its secretary.

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Date	Text affected
31 July 2018	Implementation of ISO amendment 1:2018 with CEN endorsement A1:2018

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English Version

Geosynthetics - Part 1: Terms and definitions (ISO 10318-1:2015)

Géosynthétiques - Partie 1: Termes et définitions (ISO 10318-1:2015)

Geokunststoffe - Teil 1: Begriffe (ISO 10318-1:2015)

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European foreword

This document (EN ISO 10318-1:2015) has been prepared by Technical Committee ISO/TC 221 “Geosynthetics” in collaboration with 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of an identical text or by endorsement, at the latest by October 2015, and conflicting national standards shall be withdrawn at the latest by October 2015.

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Endorsement notice

The text of ISO 10318-1:2015 has been approved by CEN as EN ISO 10318-1:2015 without any modification.

Foreword to amendment A1

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 221, *Geosynthetics*.

This first edition of ISO 10318-1 cancels and replaces ISO 10318:2005, which has been technically revised.

ISO 10318 consists of the following parts, under the general title *Geosynthetics*:

— *Part 1: Terms and definitions*

— *Part 2: Symbols and pictograms*

INTERNATIONAL STANDARD ISO 10318-1:2015+A1:2018

Geosynthetics —

Part 1:
Terms and definitions

1 Scope

The intent of this part of ISO 10318 is to define terms related to functions, products, properties, and other terms used in EN and ISO geosynthetics International Standards. Definitions of terms not included in this part of ISO 10318 can be found in the International Standards describing appropriate test methods.

NOTE See also the ISO online browsing platform (OBP): www.iso.org/obp/ui/

2 Terms and definitions

2.1 Terms related to functions

2.1.1
drainage
collecting and transporting of precipitation, ground water, and/or other fluids in the plane of a geosynthetic material

2.1.2
filtration
restraining of uncontrolled passage of soil or other particles subjected to hydrodynamic forces, while allowing the passage of fluids into or across a geosynthetic material

2.1.3
protection
preventing or limiting of local damage to a given element or material by the use of a geosynthetic material

2.1.4
reinforcement
use of the stress-strain behaviour of a geosynthetic material to improve the mechanical properties of soil or other construction materials

2.1.5
separation
prevention from intermixing of adjacent dissimilar soils and/or fill materials by the use of a geosynthetic material

2.1.6
surface erosion control
use of a geosynthetic materials to prevent or limit soil or other particle movements at the surface of, for example, a slope

2.1.7
barrier
use of a geosynthetic to prevent or limit the migration of fluids