



BSI Standards Publication

**Geotextiles – Guidance for
specification for basic separation and
filtration functions**

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Contents

	Page
Foreword	ii
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Separation and filtration	2
4.1 Definition of the site conditions	2
<i>Table 1 — Subsoil classes</i>	2
<i>Table 2 — ESALs for a range of vehicles travelling on unbound layers</i>	3
4.2 Selection of the geotextile specification profile	3
<i>Table 3 — Selection of geotextile specification profile</i>	4
4.3 Mechanical recommendations for separation	4
<i>Table 4 — Recommendations for mechanical characteristics of high-extension geotextiles</i>	5
<i>Table 5 — Recommendations for mechanical characteristics of low-extension geotextiles</i>	5
4.4 Hydraulic recommendations for separation with insignificant filtration	5
<i>Table 6 — Recommendations for the characteristics for separation with insignificant filtration</i>	6
4.5 Hydraulic recommendations for separation with filtration	6
<i>Table 7 — Recommendations for separation with filtration</i>	6
4.6 Consideration for separation with critical filtration	6
5 Quality assurance	7
5.1 Construction quality assurance	7
5.2 Documentation to be provided and checked	7
5.3 Site sampling and testing	7
<i>Table 8 — CQA testing and frequencies for geotextiles</i>	8
6 Construction recommendations	8
6.1 General	8
6.2 Site preparation	8
6.3 Geotextile placement	8
6.4 Initial layer thicknesses	8
<i>Table 9 — Minimum initial layer thicknesses</i>	8
6.5 Overlap recommendations	9
6.6 Working over placed geotextiles	9
7 Service life	9
Bibliography	10

Summary of pages

This document comprises a front cover, and inside front cover, pages i to ii, pages 1 to 11, an inside back cover and a back cover.

Foreword

Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 October 2019. It was prepared by 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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It has been assumed in the preparation of this British Standard that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

Presentational conventions

The guidance in this standard is presented in roman (i.e. upright) type. Any recommendations are expressed in sentences in which the principal auxiliary verb is “should”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Where words have alternative spellings, the preferred spelling of the Shorter Oxford English Dictionary is used (e.g. “organization” rather than “organisation”).

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This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

1 Scope

This British Standard gives recommendations and guidance for the choice and specification of geotextiles for the functions of separation and filtration in contact with natural soils and fills. This British Standard provides information for various applications and service lives.

This British Standard is not applicable to geocomposite geosynthetic products which incorporate a geotextile component covered by this standard.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes provisions of this document.¹ For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

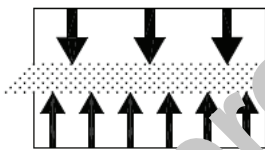
- BS EN ISO 9862, *Geosynthetics — Sampling and preparation of test specimens*
- BS EN ISO 10318-1, *Geosynthetics — Part 1: Terms and definitions*
- BS EN ISO 10318-2, *Geosynthetics — Part 2: Symbols and pictograms*
- BS EN ISO 10319, *Geosynthetics — Wide-width tensile test*
- BS EN ISO 12236, *Geosynthetics — Static puncture test (CBR test)*

3 Terms and definitions

For the purposes of this document the terms and definitions in BS EN ISO 10318-1 and BS EN ISO 10318-2 and the following apply.

3.1 separation

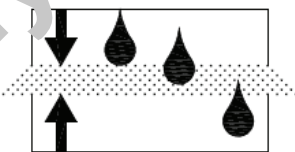
prevention from intermixing of adjacent dissimilar soils and/or fill materials by the use of a geosynthetic material



[SOURCE: BS EN ISO 10318-1:2015+A1:2018, 2.1.5, pictogram from BS EN ISO 10318-2:2015, 2.2.2]

3.2 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



[SOURCE: BS EN ISO 10318-1:2015+A1:2018, 2.1.2, pictogram from BS EN ISO 10318-2:2015, 2.2.2]

¹ Documents that are referred to solely in an informative manner are listed in the Bibliography.