Geotekstiil ja samalaadsed tooted. Vee läbilaskevõime määramine

Geotextiles and geotextile-related products. Determination of water flow capacity in their plane

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 12958:2010 sisaldab Euroopa standardi EN ISO 12958:2010 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 12958:2010 consists of the English text of the European standard EN ISO 12958:2010.
Standard on kinnitatud Eesti Standardikeskuse 30.06.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 30.06.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 15.04.2010.	Date of Availability of the European standard text 15.04.2010.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 59.080.70

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 12958

April 2010

ICS 59.080.70

Supersedes EN ISO 12958:1999

English Version

Geotextiles and geotextile-related products - Determination of water flow capacity in their plane (ISO 12958:2010)

Géotextiles et produits apparentés - Détermination de la capacité de débit dans leur plan (ISO 12958:2010)

Geotextilien und geotextilverwandte Produkte - Bestimmung des Wasserableitvermögens in der Ebene (ISO 12958:2010)

This European Standard was approved by CEN on 8 March 2010.

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Ref. No. EN ISO 12958:2010: E

Foreword

This document (EN ISO 12958:2010) 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of an identical text or by endorsement, at the latest by October 2010, and conflicting national standards shall be withdrawn at the latest by October 2010.

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Endorsement notice

The text of ISO 12958:2010 has been approved by CEN as a EN ISO 12958:2010 without any modification.

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1 Scope

This International Standard specifies a method for determining the constant-head water flow capacity within the plane of a geotextile or geotextile-related product.

NOTE 1 If the full water flow capacity characteristics of the geotextile or geotextile-related product have previously been established, then for control purposes it can be sufficient to determine the water flow capacity at two loads and both gradients.

NOTE 2 The compressibility of the product over time will substantially influence the in-plane water flow capacity. Test methods for assessing the compressive creep behaviour of geotextiles or geotextile-related products are described in ISO 25619-1.

The test report is judged in conjunction with the long-term compressive creep behaviour in order to assess the long-term flow capacity.

2 Normative references

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

ISO 2854, *Statistical interpretation of data — Techniques of estimation and tests relating to means and variances*

ISO 5813, *Water quality — Determination of dissolved oxygen — Iodometric method*

ISO 9862, *Geosynthetics — Sampling and preparation of test specimens*

ISO 9863-1, *Geosynthetics — Determination of thickness at specified pressures — Part 1: Single layers*

ISO 10320, *Geotextiles and geotextile-related products — Identification on site*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
normal compressive stress
compressive stress components normal to the plane of the geotextile or geotextile-related product

NOTE The normal compressive stress is expressed in kilopascals.

3.2
in-plane flow
fluid flow within the geotextile or geotextile-related product and parallel to its plane