

Geosynthetics - Test methods for measuring mass per unit area of clay geosynthetic barriers

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per unit area of clay geosynthetic barriers

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 14196:2004 sisaldab Euroopa standardi EN 14196:2003 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 20.02.2004 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 14196:2004 consists of the English text of the European standard EN 14196:2003.</p> <p>This document is endorsed on 20.02.2004 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This European Standard describes a test method for the laboratory determination of the mass per unit area of a sample of clay geosynthetic barrier (GBR-C) in the condition as received. Since manufacturers quote mass per unit area at a given moisture content, it is necessary to measure the moisture content</p>	<p>Scope:</p> <p>This European Standard describes a test method for the laboratory determination of the mass per unit area of a sample of clay geosynthetic barrier (GBR-C) in the condition as received. Since manufacturers quote mass per unit area at a given moisture content, it is necessary to measure the moisture content</p>
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ICS 59.080.70, 91.100.50

Võtmesõnad: clay soils, cloth, geotextiles, insulating materials, mass, moisture contents, substance, synthetic fibres, synthetics, testing, textiles

ICS 59.080.70; 91.100.50

English version

Geosynthetics - Test methods for measuring mass per unit area of clay geosynthetic barriers

Géosynthétiques - Méthodes d'essai pour la détermination
de la masse surfacique des barrières géosynthétiques
argileuses

Geokunststoffe - Prüfverfahren zur Bestimmung der
flächenbezogenen Masse von geosynthetischen
Tondichtungsbahnen

This European Standard was approved by CEN on 1 September 2003.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 14196:2003) has been prepared by Technical Committee CEN/TC 189 "Geosynthetics", the secretariat of which is held by IBN.

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 May 2004, and conflicting national standards shall be withdrawn at the latest by May 2004.

Annex A is normative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard describes a test method for the laboratory determination of the mass per unit area of a sample of clay geosynthetic barrier (GBR-C) in the condition as received.

Since manufacturers quote mass per unit area at a given moisture content, it is necessary to measure the moisture content.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

prEN ISO 9862, *Geosynthetics — Sampling and preparation of test specimens (ISO/DIS 9862:2002)*.

prEN ISO 10318:2000, *Geosynthetics — Geotextiles, geotextile-related products, geomembranes and geosynthetic clay liners - Terms and their definitions (ISO/DIS 10318:2000)*.

ISO 11465, *Soil quality — Determination of dry matter and water content on a mass basis — Gravimetric method*.

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in prEN ISO 10318:2000 and the following apply.

3.1 moisture content

part of the mass of a clay geosynthetic barrier that is absorbed water, expressed as a percentage of the mass of dry clay

4 Principle

The mass per unit area is determined by weighing specimens of known dimensions cut from positions distributed over the full width of the sample.

The moisture content of the clay component of the GBR-C is measured in accordance with ISO 11465.