

Geotextiles and geotextile-related products - Determination of the resistance to weathering

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Determination of the resistance to weathering

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12224:2001 sisaldab Euroopa standardi EN 12224:2000 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 16.02.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12224:2001 consists of the English text of the European standard EN 12224:2000.</p> <p>This document is endorsed on 16.02.2001 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: See Euroopa standard määrab kindlaks meetodid geotekstiili ja geotekstiilitaoliste toodete hoidmiseks looduslikest ilmastikutingimustest intensiivsemates tingimustes.</p>	<p>Scope:</p>
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ICS 59.080.70

Võtmesõnad: geotekstiil, ilmastikukindlus, materjalid, mõjule allutamine, valgusallikad, vanandamine: materjalid, vanandamiskatsed

English version

Geotextiles and geotextile-related products

Determination of the resistance to weathering

Géotextiles et produits apparentés –
Détermination de la résistance au
vieillissement dû aux conditions
climatiques

Geotextilien und geotextilverwandte
Produkte – Bestimmung der Witte-
rungsbeständigkeit

This European Standard was approved by CEN on 2000-07-15.

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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

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

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 189 "Geotextiles and geotextiles-related products", the secretariat of which is held by IBN.

This European Standard supersedes ENV 12224:1996.

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 March 2001, and conflicting national standards shall be withdrawn at the latest by March 2001.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Introduction

The effect of weathering on the properties of geotextiles and geotextile-related products is of technical importance for many of their applications. Since natural weathering requires testing at long durations, there is a need to obtain information more rapidly and reproducibly by accelerated procedures. For this purpose weathering devices with specific artificial light sources are used.

NOTE: For further informations see CR ISO 13434.

1 Scope

This European Standard describes a method for determining the resistance of geotextiles and geotextile-related products to weathering conditions more intense than those of natural weathering.

This is an index test to differentiate between products with little or no resistance to weathering and those which do have this resistance.

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).

EN 12226 :2000	Geotextiles and geotextile-related products - General tests for evaluation following durability testing
ISO 4892-1	Plastics - Methods of exposure to laboratory light sources - Part 1: General guidance
ISO 4892-3	Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps.

3 Principle

Specimens of the material to be tested are exposed to a light source for a defined radiant exposure or exposure time and at recommended temperature and moisture conditions. After this exposure the change in performance of these specimens is determined.