

**GEOTEKSTIIL JA SAMALAADSED TOOTED.  
ILMASTIKUKINDLUSE MÄÄRAMINE**

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

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-ENV 12224:1999 sisaldab Euroopa standardi ENV 12224:1996 ingliskeelset teksti.	This Estonian standard EVS-ENV 12224:1999 consists of the English text of the European standard ENV 12224:1996.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 23.10.1996.	Date of Availability of the European standard is 23.10.1996.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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ICS

Descriptors :

English version

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

Géotextiles et produits apparentés -  
Détermination de la résistance au  
vieillessement

Geotextilien und geotextilverwandte Produkte -  
Bestimmung der Alterungsbeständigkeit

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**CEN**

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

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## **Foreword**

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

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Prestandard: Austria, Belgium, 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.

## 1. Scope

This European prestandard specifies methods for the exposure of geotextiles and geotextile-related products to weathering conditions more intense than those of natural weathering.

The following types of light sources are included:

- xenon-arc lamps in accordance with ISO 4892-2
- fluorescent UV lamps in accordance with ISO 4892-3.

This is an index test whose purpose is to differentiate products with little or no resistance to weathering exposure from 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.

ENV 12226	Geotextiles and geotextile-related products - General tests for Evaluation following durability testing
ISO 4892-1	Plastics - Method of exposure to laboratory light sources - Part 1: General guidance
ISO 4892-2	Plastics - Method of exposure to laboratory light sources - Part 2: Xenon-arc sources
ISO 4892-3	Plastics - Method of exposure to laboratory light sources - Part 3: Fluorescent UV lamps.