

**Geotekstiil ja samalaadsed tooted.  
Tõmberoome ja roomepurunemislike  
omaduste määramine**

Geotextiles and geotextile-related products -  
Determination of the tensile creep and creep rupture  
behaviour

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 13431:2000 sisaldab Euroopa standardi EN ISO 13431:1999 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 13431:2000 consists of the English text of the European standard EN ISO 13431:1999.</p> <p>This document is endorsed on 11.01.2000 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><b>Käsitlusala:</b></p> <p>This standard describes the method for determining the tensile creep rupture behaviour of geotextiles and geotextile-related products in an unconfined situation. Application of this standard is limited to those products and applications where the risk of collapse of a structure due to premature failure or to strain/time variation of the reinforcement under constant load is of essential importance.</p>	<p><b>Scope:</b></p> <p>This standard describes the method for determining the tensile creep rupture behaviour of geotextiles and geotextile-related products in an unconfined situation. Application of this standard is limited to those products and applications where the risk of collapse of a structure due to premature failure or to strain/time variation of the reinforcement under constant load is of essential importance.</p>
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ICS 59.080

**Võtmesõnad:** creep rupture tests, creep strength, determination, geotextiles, tension tests, tests

**English version**

**Geotextiles and geotextile-related products**

Determination of tensile creep and creep rupture behaviour  
(ISO 13431 : 1999)

Géotextiles et produits apparentés –  
Détermination du comportement au  
fluage en traction et de la rupture au  
fluage en traction (ISO 13431 : 1999)

Geotextilien und geotextilverwandte  
Produkte – Bestimmung des  
Zugkriech- und des Zeitstand-  
bruchverhaltens (ISO 13431 : 1999)

This European Standard was approved by CEN on 1998-05-23.

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

International Standard

ISO 13431 : 1999 Geotextiles and geotextile-related products – Determination of tensile creep and creep rupture behaviour,

which was prepared by ISO/TC 38 'Textiles' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 189 'Geotextiles and geotextile-related products', the Secretariat of which is held by IBN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by February 2000 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

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.

## Endorsement notice

The text of the International Standard ISO 13431 : 1999 was approved by CEN as a European Standard without any modification.

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## 1 Scope

This Standard specifies a method for determining the tensile creep and creep rupture behaviour of geotextiles and geotextile-related products in an unconfined situation.

Application of this standard is limited to those products and applications where the risk of collapse of a structure due to premature failure or to strain/time variation of the reinforcement under constant load is of essential importance.

As the test is carried out over a long period of time and the procedure is complex, it is therefore recommended that the test is not considered to be a routine quality control test. The results of the test may not be representative of the performance of the products when subject to soil pressures.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate points 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.

EN 963	Geotextiles and geotextile-related products - Sampling and preparation of test specimens.
EN ISO 10319	Geotextiles - Wide-width tensile test (ISO 10319:1993)
ISO 554	Standard atmospheres for conditioning and/or testing - Specifications.

## 3 Definitions

For the purposes of this standard the following definitions apply:

**3.1 tensile strength:** Maximum load per unit width, in kilonewtons per metre, developed in a specific material subjected to an external tensile load, when measured in accordance with EN ISO 10319.