Joint fillers and sealants - Test methods for preformed joint seals

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN	This E
14840:2005 sisaldab Euroopa standardi	14840
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Käesolev dokument on jõustatud	This de

Käesolev dokument on jõustatud 25.11.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 14840:2005 consists of the English text of the European standard EN 14840:2005.

This document is endorsed on 25.11.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.

The standard is available from Estonian standardisation organisation.

Käsitlusala:

This European Standard specifies the test methods for preformed joint seals made of vulcanised rubber for use in concrete pavements.

Scope:

This European Standard specifies the test methods for preformed joint seals made of vulcanised rubber for use in concrete pavements.

ICS 93.080.20

Võtmesõnad:

EUROPEAN STANDARD NORME EUROPÉENNE

EN 14840

EUROPÄISCHE NORM

October 2005

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English Version

Joint fillers and sealants - Test methods for preformed joint seals

Produits d'obturation et de scellement de joints - Méthodes d'essai pour les joints d'étanchéité moulés Fugeneinlagen und Füllstoffe - Prüfverfahren für vorgeformte Fugenprofile

This European Standard was approved by CEN on 16 August 2005.

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.

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 Central Secretariat has the same status as the official versions.

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



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This European Standard (EN 14840:2005) has been prepared by Technical Committee CEN/TC 227 "Road materials", the secretariat of which is held by DIN.

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 April 2006, and conflicting national standards shall be withdrawn at the latest by April 2006.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, No. Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

1 Scope

This European Standard specifies the test methods for preformed joint seals made of vulcanised rubber for use in concrete pavements.

2 Normative references

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

EN 26927:1990, Building construction — Jointing products — Sealants — Vocabulary (ISO 6927:1981)

ISO 37, Rubber, vulcanised or thermoplastic — Determination of tensile stress-strain properties

ISO 188, Rubber, vulcanized or thermoplastic -- Accelerated ageing and heat resistance tests

ISO 815, Rubber, vulcanised or thermoplastic — Determination of compression set at ambient, elevated or low temperatures

ISO 1431-1, Rubber, vulcanised or thermoplastic — Resistance to ozone cracking — Part 1:Static and dynamic strain testing

ISO 3384, Rubber, vulcanised or thermoplastic — Determination of stress relaxation in compression at ambient and at elevated temperatures

ISO 2285, Rubber, vulcanized or thermoplastic -- Determination of tension set under constant elongation, and of tension set, elongation and creep under constant tensile load

ISO 5893, Rubber and plastics test equipment — Tensile, flexural and compression types (constant rate of traverse) — Specification

3 Terms and definitions

For the purposes of this European Standard, the terms and definitions given in EN 26927:1990 apply.

4 Test methods

4.1 Tensile strength and elongation at break

The tensile strength and elongation at break shall be determined by the method specified in ISO 37. Dumbbell shaped test pieces of types 1, 2, 3 or 4 shall be used. The test report shall report the type of test pieces used.

NOTE Type 2 should be the preferred type.

4.2 Compression set in air

4.2.1 General

The measurements shall be carried out – if possible – in the direction of compression of the seal in service.