

**Flexible sheets for waterproofing -
Waterproofing of concrete bridge decks
and other concrete surfaces trafficable
by vehicles - Determination of the
resistance to compaction of an asphalt
layer**

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 14692:2005 sisaldab Euroopa standardi EN 14692:2005 ingliskeelset teksti.	This Estonian standard EVS-EN 14692:2005 consists of the English text of the European standard EN 14692:2005.
Käesolev dokument on jõustatud 15.07.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 15.07.2005 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

Käsitlusala: This European Standard specifies a test method for the evaluation of the resistance of a waterproofing system to compaction of an asphalt layer	Scope: This European Standard specifies a test method for the evaluation of the resistance of a waterproofing system to compaction of an asphalt layer
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ICS 91.100.50

Võtmesõnad: asphalt paving, asphalts, bridges, compacting, components

ICS 91.100.50

English version

**Flexible sheets for waterproofing - Waterproofing of concrete
bridge decks and other concrete surfaces trafficable by vehicles
- Determination of the resistance to compaction of an asphalt
layer**

Feuilles souples d'étanchéité - Étanchéité de ponts et
autres surfaces en béton circulables par les véhicules -
Détermination de la résistance au compactage de la
couche bitumineuse

Abdichtungsbahnen - Abdichtungen für Betonbrücken und
andere Verkehrsflächen auf Beton - Bestimmung des
Widerstandes gegenüber Verdichtung der Schutzschicht

This European Standard was approved by CEN on 14 April 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
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Foreword

This document (EN 14692:2005) has been prepared by Technical Committee CEN/TC 254, "Flexible sheets for waterproofing", the secretariat of which is held by BSI.

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 December 2005, and conflicting national standards shall be withdrawn at the latest by December 2005.

This European Standard is one of a series of standards applicable to flexible sheets for waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles.

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, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

Introduction

The purpose of the test is to determine the ability of a waterproofing system to resist damage from compaction of an asphalt layer.

1 Scope

This European Standard specifies a test method for the evaluation of the resistance of a bitumen sheet to compaction of an asphalt layer.

2 Normative references

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

EN 1928, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Determination of watertightness*

EN 13375:2004, *Flexible sheets for waterproofing — Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Specimen preparation*

EN 13416:2001, *Flexible sheets for waterproofing — Bitumen, plastic and rubber sheets for roof waterproofing — Rules for sampling*

prEN 14695:2003, *Flexible sheets for waterproofing — Reinforced bitumen sheets for waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles — Definitions and characteristics*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13416:2001, EN 13375:2004 and prEN 14695:2003 apply.

4 Test methods

4.1 Principle

The test consists of compacting an asphalt layer of a determined composition on a bitumen sheet laid on a base specimen.

It may be carried out in two alternative ways:

- Method 1: The asphalt layer is laid directly on the sheet bonded to the base specimen;
- Method 2: A de-bonding interface is laid between the base specimen and the sheet and between the sheet and the asphalt layer.

After compacting of the test specimen, the bitumen sheet is recovered for observation of its condition and any perforations. Depending on the results of the observations, the watertightness of the recovered bitumen sheet should be checked.