



BSI Standards Publication

**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**

National foreword

This British Standard is the UK implementation of EN 14692:2017. It supersedes BS EN 14692:2005 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/546, Flexible sheets for waterproofing and water vapour control.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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EN 14692

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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 des tabliers
de ponts en béton et autres surfaces en béton
circulables par les véhicules - Détermination de la
résistance au compactage de la couche bitumineuse

Abdichtungsbahnen - Abdichtung von Betonbrücken
und anderen Verkehrsflächen auf Beton - Bestimmung
des Widerstandes gegenüber Verdichtung der
Asphaltschicht

This European Standard was approved by CEN on 6 February 2017.

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

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European Foreword

This document (EN 14692:2017) has been prepared by Technical Committee CEN/TC 254 “Flexible sheets for waterproofing”, the secretariat of which is held by NEN.

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of an identical text or by endorsement, at the latest by September 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14692:2005.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

The significant technical changes are the new reference to prEN 17048:2016 in Clause 2, Normative references, and the substitution of the terms “bitumen sheet” with the generic wording “waterproofing sheet” in every clause where needed, including the title.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Introduction

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

1 Scope

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

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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, *Flexible sheets for waterproofing - Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles - Specimen preparation*

EN 13416, *Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Rules for sampling*

EN 14695, *Flexible sheets for waterproofing - Reinforced bitumen sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete - Definitions and characteristics*

prEN 17048, *Flexible sheets for waterproofing - Plastic and rubber sheets for waterproofing of concrete bridge decks and other trafficked areas of concrete - Definitions and characteristics*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 13375, EN 14695, prEN 17048 and the following apply.

3.1

resistance to compaction

ability of a waterproofing system to resist the compaction of an asphalt concrete overlay without damage

4 Test methods

4.1 Principle

The test consists of compacting a defined asphalt layer on a waterproofing 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 waterproofing sheet is recovered for observation of its condition and any perforations. Depending on the results of the observations, the watertightness of the recovered waterproofing sheet should be checked.