

**Täitematerjalide keemiliste omaduste  
katsetamine. Osa 4: Bituumensegudes  
kasutatavate fillerite niiskustundlikkuse  
määramine**

Tests for chemical properties of aggregates - Part 4:  
Determination of water susceptibility of fillers for  
bituminous mixtures

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

|                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                             |
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| <p>Käesolev Eesti standard EVS-EN 1744-4:2005 sisaldab Euroopa standardi EN 1744-4:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 29.09.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p> | <p>This Estonian standard EVS-EN 1744-4:2005 consists of the English text of the European standard EN 1744-4:2005.</p> <p>This document is endorsed on 29.09.2005 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 European Standard specifies the procedure for the determination of the water susceptibility of fillers for bituminous mixtures, by separation of filler from a bitumen filler mixture.</p> | <p><b>Scope:</b></p> <p>This European Standard specifies the procedure for the determination of the water susceptibility of fillers for bituminous mixtures, by separation of filler from a bitumen filler mixture.</p> |
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Võtmesõnad:

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English version

## Tests for chemical properties of aggregates - Part 4: Determination of water susceptibility of fillers for bituminous mixtures

Essais pour déterminer les propriétés chimiques des  
granulats - Partie 4 : Détermination de la sensibilité à l'eau  
des fillers pour mélanges bitumeux

Prüfverfahren für chemische Eigenschaften von  
Gesteinskörnungen - Teil 4: Bestimmung der  
Wasserempfindlichkeit von Füllern in bitumenhaltigen  
Mischungen

This European Standard was approved by CEN on 27 June 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.



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## Contents

page

|                                                                                                             |    |
|-------------------------------------------------------------------------------------------------------------|----|
| Foreword.....                                                                                               | 3  |
| 1 Scope.....                                                                                                | 4  |
| 2 Normative references .....                                                                                | 4  |
| 3 Terms and definitions .....                                                                               | 5  |
| 4 Principle .....                                                                                           | 5  |
| 5 Separation of filler from a bitumen filler mixture .....                                                  | 6  |
| 5.1 Reagents .....                                                                                          | 6  |
| 5.2 Apparatus.....                                                                                          | 6  |
| 5.3 Sampling .....                                                                                          | 8  |
| 5.4 Preparation of test portions.....                                                                       | 8  |
| 5.5 Procedure.....                                                                                          | 8  |
| 5.6 Calculation and expression of results .....                                                             | 9  |
| 5.7 Test report.....                                                                                        | 9  |
| Annex A (normative) Determination of the volume increase and loss of stability of a Marshall specimen ..... | 10 |
| A.1 General .....                                                                                           | 10 |
| A.2 Principle .....                                                                                         | 10 |
| A.3 Materials.....                                                                                          | 10 |
| A.4 Apparatus.....                                                                                          | 10 |
| A.5 Sampling .....                                                                                          | 11 |
| A.6 Preparation of Marshall specimens .....                                                                 | 11 |
| A.7 Procedure.....                                                                                          | 12 |
| A.8 Calculation and expression of results .....                                                             | 12 |
| A.9 Test report.....                                                                                        | 13 |
| A.10 Precision .....                                                                                        | 13 |
| Bibliography .....                                                                                          | 15 |

## Foreword

This European Standard (EN 1744-4:2005) has been prepared by Technical Committee CEN/TC 154 "Aggregates", 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 February 2006, and conflicting national standards shall be withdrawn at the latest by February 2006.

This European Standard forms part of a series of tests for chemical properties of aggregates. Test methods for other properties of aggregates are covered by Parts of the following European Standards:

EN 932 Tests for general properties of aggregates

EN 933 Tests for geometrical properties of aggregates

EN 1097 Tests for mechanical and physical properties of aggregates

EN 1367 Tests for thermal and weathering properties of aggregates

EN 13179 Tests for filler aggregate used in bituminous mixtures

The other parts of EN 1744 are, or will be:

Part 1: Chemical analysis

Part 2: Determination of resistance to alkali/aggregate reaction

Part 3: Preparation of eluates by leaching of aggregates

Part 5: Determination of acid soluble chloride salts

Part 6: Determination of the influence of aggregate extract on the initial setting time of cement

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.

## 1 Scope

This European Standard specifies the procedure for the determination of the water susceptibility of fillers for bituminous mixtures, by separation of filler from a bitumen filler mixture.

A method for the determination of water susceptibility by volume increase and loss of stability of a Marshall specimen is described in Annex A.

## 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 932-1, *Tests for general properties of aggregates — Part 1: Methods for sampling*

EN 932-2, *Tests for general properties of aggregates — Part 2: Methods for reducing laboratory samples*

EN 932-5, *Tests for general properties of aggregates — Part 5: Common equipment and calibration*

EN 933-2, *Tests for geometrical properties of aggregates — Part 2: Determination of particle size distribution - Test sieves, nominal size of apertures*

EN 933-3, *Tests for geometrical properties of aggregates - Part 3: Determination of particle shape - Flakiness index*

EN 933-4, *Tests for geometrical properties of aggregates - Part 4: Determination of particle shape - Shape index*

EN 12697-6, *Bituminous mixtures — Test methods for hot mix asphalt — Part 6: Determination of bulk density of bituminous specimens*

EN 12697-12, *Bituminous mixtures — Test methods for hot mix asphalt — Part 12: Determination of the water sensitivity of bituminous specimens*

EN 12697-30, *Bituminous mixtures - Test methods for hot mix asphalt - Part 30: Specimen preparation by impact compactor*

EN 12697-34, *Bituminous mixtures — Test methods for hot mix asphalt — Part 34: Marshall test*

EN 12697-35, *Bituminous mixtures — Test methods for hot mix asphalt — Part 35: Laboratory mixing*

EN 13357, *Bitumen and bituminous binders — Determination of the efflux time of petroleum cut-back and fluxed bitumens*