

**Asfaltsegud. Materjalide spetsifikatsioonid. Osa 8:
Korduvkasutatav asfalt**

Bituminous mixtures - Material specifications - Part 8:
Reclaimed asphalt

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 13108-8:2007 sisaldab Euroopa standardi EN 13108-8:2005 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 25.11.2005 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 12.10.2005.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 13108-8:2007 consists of the English text of the European standard EN 13108-8:2005.

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English Version

Bituminous mixtures - Material specifications - Part 8: Reclaimed asphalt

Mélanges bitumineux - Spécifications de matériaux - Partie
8 : Agrégats d'enrobés

Asphaltmischgut - Mischgutanforderungen - Teil 8:
Ausbauasphalt

This European Standard was approved by CEN on 29 August 2005.

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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.

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Foreword

This European Standard (EN 13108-8:2005) 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of an identical text or by endorsement, at the latest by April 2006, and conflicting national standards shall be withdrawn at the latest by January 2008.

This European Standard does not replace any existing European Standard.

This European Standard is one of a series as listed below:

prEN 13108-1, *Bituminous mixtures — Material specifications — Part 1: Asphalt concrete.*

prEN 13108-2, *Bituminous mixtures — Material specifications — Part 2: Asphalt concrete for very thin layers.*

prEN 13108-3, *Bituminous mixtures — Material specification — Part 3: Soft asphalt.*

prEN 13108-4, *Bituminous mixtures — Material specification — Part 4: Hot rolled asphalt.*

prEN 13108-5, *Bituminous mixtures — Material specifications — Part 5: Stone mastic asphalt.*

prEN 13108-6, *Bituminous mixtures — Material specifications — Part 6: Mastic asphalt.*

prEN 13108-7, *Bituminous mixtures — Material specifications — Part 7: Porous asphalt (PA).*

prEN 13108-10, *Bituminous mixtures — Quality — Part 10: Factory production control.*

prEN 13108-20, *Bituminous mixtures — Material specifications — Part 20: Type testing.*

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 increasing use of recycling in asphalt production makes it necessary to specify reclaimed asphalt sold as a constituent material in a way similar to that of aggregates and binders. In the asphalt product standards prEN 13108-1 up to and including prEN 13108-7 the use of reclaimed asphalt is permitted with requirements related to the percentage addition.

Reclaimed asphalt comprises asphalt, reclaimed by milling of asphalt road layers, by crushing of slabs ripped up from asphalt pavements, lumps from slabs, and asphalt from reject and surplus production.

Reclaimed asphalt (RA) may be used as a constituent material for bituminous mixtures manufactured in a hot mix asphalt plant, in accordance with the specifications for those mixtures.

This European Standard contains requirements for reclaimed asphalt with respect to binder and aggregate properties and foreign matter that apply in all cases of usage of reclaimed asphalt. Additionally, this European Standard indicates which properties of the reclaimed asphalt and its constituent materials shall be declared and documented if a description of a feedstock is required.

The particle size of the aggregate, the properties of the binder, and foreign matter in the reclaimed asphalt are relevant to the quality of the product, i.e. the fresh asphalt in which it is mixed. The size of the particles of asphalt in the reclaimed asphalt, which may range from large lumps to finely milled material, is relevant only to the process to be used to mix into the fresh asphalt.

Since the requirements for the asphalt mixtures are the same for mixtures with and without reclaimed asphalt, the level of homogeneity of the material in practice determines the maximum amount of reclaimed asphalt that may be used.

1 Scope

This European Standard specifies requirements for the classification and description of reclaimed asphalt as a constituent material for asphalt mixtures.

This European Standard only specifies reclaimed asphalt with bituminous binders: paving grade bitumen, modified bitumen or hard grade bitumen.

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, *Test for general properties of aggregates – Part 1: Methods for sampling*

EN 1426, *Bitumen and bituminous binders – Determination of needle penetration*

EN 1427, *Bitumen and bituminous binders – Determination of softening point – Ring and Ball method*

EN 12596, *Bitumen and bituminous binders - Determination of dynamic viscosity by vacuum capillary*

EN 12697-1, *Bituminous mixtures – Test methods for hot mix asphalt – Part 1: Soluble binder content*

EN 12697-3, *Bituminous mixtures – Test methods for hot mix asphalt – Part 3: Bitumen recovery: Rotary evaporator*

EN 12697-4, *Bituminous mixtures – Test methods for hot mix asphalt – Part 4: Bitumen recovery: Fractionating column*

prEN 12697-42, *Bituminous mixtures – Test methods for hot mix asphalt – Part 42: Amount of foreign matters in reclaimed asphalt.*

EN 13043, *Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas*

3 Terms, definitions, symbols and abbreviations

3.1 Terms and definitions

For the purpose of this European Standard, the following terms and definitions apply.

3.1.1

asphalt

mixture of aggregates and bituminous binder

3.1.2

reclaimed asphalt

asphalt reclaimed by milling of asphalt road layers, by crushing of slabs ripped up from asphalt pavements or lumps from asphalt slabs and asphalt from reject and surplus production