Mössiga pindamine. Katsemeetodid. Osa 4: Mössisegu kohesiooni määramine

Slurry surfacing - Test methods - Part 4: Determination of cohesion of the mix

EESTI STANDARDIKESKUS
ESTONIAN CENTRE FOR STANDARDISATION

EESTI STANDARDI EESSÕNA	NATIONAL FOREWORD
See Eesti standard EVS-EN 12274-4:2003 sisaldab Euroopa standardi EN 12274-4:2003 ingliskeelset teksti.	This Estonian standard EVS-EN 12274-4:2003 consists of the English text of the European standard EN 12274-4:2003.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 05.02.2003.	Date of Availability of the European standard is 05.02.2003.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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Slurry surfacing - Test methods - Part 4: Determination of cohesion of the mix

Matériaux bitumineux coulés à froid - Méthode d'essai - Partie 4: Détermination de la cohésion du mélange

Dünne Asphaltschicht in Kaltbauweise - Prüfverfahren - Teil 4: Bestimmung der Kohäsion der Mischung

This European Standard was approved by CEN on 21 November 2002.

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

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Contents

Foreword

This document (EN 12274-4:2003) 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of an identical text or by endorsement, at the latest by August 2003, and conflicting national standards shall be withdrawn at the latest by December 2005.

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

EN 12274-1, *Slurry surfacing – Test methods – Part 1: Sampling for binder extraction.*

EN 12274-2, *Slurry surfacing – Test methods – Part 2: Determination of residual binder content.*

EN 12274-3, *Slurry surfacing – Test methods – Part 3: Consistency.*

EN 12274-4, *Slurry surfacing – Test methods – Part 4: Determination of cohesion of the mix.*

EN 12274-5, *Slurry surfacing – Test methods – Part 5: Determination of wearing.*

EN 12274-6, *Slurry surfacing – Test methods – Part 6: Rate of application.*

EN 12274-7[1], *Slurry surfacing – Test methods – Part 7: Shaking abrasion test in suitability of mineral aggregates to slurry mixes.*

EN 12274-8[1], *Slurry surfacing – Test methods – Part 8: Visual assessment.*

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard describes a test method for determining the minimum cohesion of a slurry surfacing mix which enables the set time and trafficability time to be determined.

This European Standard applies to slurry surfacing to be used in surface layers.

NOTE For some course mixtures the precision is poor due to loss of aggregates comes up, a comment will be made in the report.

[1] In preparation.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 12274-3, *Slurry surfacing — Test methods — Part 3: Consistency.*

ISO 48, *Rubber, vulcanized or thermoplastic — Determination of hardness (Hardness between 10 IRHD and 100 IRHD).*

3 Terms and definitions

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

3.1
set
end of the non-reversible process in a slurry surfacing when the emulsion coalescence takes place

NOTE 1 The coalescence of an emulsion is the non-reversible phase starting from the beginning of the breaking of the emulsion to the total setting when the bitumen emulsion reverts to bitumen in presence of a mineral.

NOTE 2 After the set of a slurry surfacing

– it is not possible to stir the mixture;

– free emulsion during washing with water cannot be observed;

– an absorbent paper is not stained when pressed slightly onto the surface of the slurry.

3.2
set time
time elapsed between placing a slurry surfacing and its setting

3.3
trafficability time
period of time after laying, when the slurry surfacing can accept traffic

3.4
quick setting slurry
slurry with a set time less than or equal to 30 min

3.5
slow setting slurry
slurry with a set time more than 30 min

4 Principle

Torque measurements are taken on five samples of the same slurry mix at suitable intervals after casting.