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Slurry surfacing - Test methods - Part 3: Consistency

EESTI STANDARDIKESKUS
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NATIONAL FOREWORD

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See Eesti standard EVS-EN 12274-3:2018 sisaldab Euroopa standardi EN 12274-3:2018 ingliskeelset teksti.	This Estonian standard EVS-EN 12274-3:2018 consists of the English text of the European standard EN 12274-3:2018.
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 14.03.2018.	Date of Availability of the European standard is 14.03.2018.
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.

ICS 93.080.20

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 12274-3

March 2018

ICS 93.080.20

Supersedes EN 12274-3:2002

English Version

Slurry surfacing - Test methods - Part 3: Consistency

Matériaux bitumineux coulés à froid - Méthode d'essai - Partie 3: Consistance

Dünne Asphaltdeckschichten in Kaltbauweise - Prüfverfahren - Teil 3: Konsistenz von Bitumenschlämmen

This European Standard was approved by CEN on 13 November 2017.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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

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Ref. No. EN 12274-3:2018 E

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Contents

Page

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European foreword

This document (EN 12274-3:2018) 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 September 2018, and conflicting national standards shall be withdrawn at the latest by September 2018.

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 12274-3:2002.

Compared with EN 12274-3:2002, the following changes have been made:

a) The title is changed from “Slurry Seal” to “Slurry Surfacing” an editorial error.

b) The requirement for the slurry surfacing to be broken in 3.5 has been removed as this was a technical error.

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

— EN 12274-1, *Slurry surfacing — Test methods — Part 1: Sampling of slurry surfacing mixture*

— EN 12274-2, *Slurry surfacing — Test methods — Part 2: Determination of residual binder content including preparation of samples*

— 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 the minimum binder content and wearing resistance*

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

— EN 12274-7, *Slurry surfacing — Test methods — Part 7: Shaking abrasion test*

— EN 12274-8, *Slurry surfacing — Test methods — Part 8: Visual assessment of defects*

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.

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1 Scope

This European Standard specifies a test method for determining the consistency of slurry surfacing mixtures. This test is dedicated to Slurry Seals (D ≤ 4mm).

NOTE 1 The method can be used as a mix design aid to determine the amount of water required to form a stable, workable mixture.

NOTE 2 To obtain the correct consistency, it can be necessary to repeat the test with different known percentages of water.

This European Standard applies to slurry surfacing for roads, airfields and other trafficked areas.

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 1097-5, *Tests for mechanical and physical properties of aggregates - Part 5: Determination of the water content by drying in a ventilated oven*

3 Apparatus

1) Mould, made from sheet metal or hard plastic, in the form of a frustum of a cone (see Figure 1), of height (75 ± 1) mm, inside diameter at the top of (40 ± 1) mm, and an inside diameter at the bottom of (90 ± 1) mm.

Dimensions in millimetres

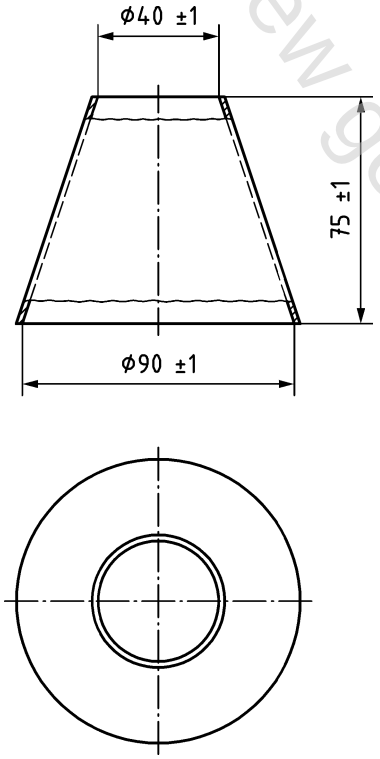

Figure 1 — Mould

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