

Slurry surfacing - Test methods - Part 1: Sampling of
slurry surfacing mixture

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 12274-1:2018 sisaldab Euroopa standardi EN 12274-1:2018 ingliskeelset teksti.	This Estonian standard EVS-EN 12274-1:2018 consists of the English text of the European standard EN 12274-1:2018.
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

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:
Koduleht www.evs.ee; telefon 605 5050; e-post info@evs.ee

The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:

Homepage www.evs.ee; phone +372 605 5050; e-mail info@evs.ee

English Version

Slurry surfacing - Test methods - Part 1: Sampling of slurry surfacing mixture

Matériaux bitumineux coulés à froid - Méthode d'essai
- Partie 1 : Matériau d'échantillonnage de matériau
bitumineux coulé à froid

Dünne Asphaltdeckschichten in Kaltbauweise -
Prüfverfahren - Teil 1: Probenahme

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

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

CEN members are the national standards bodies of 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 United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

Page

European foreword.....	3
1 Scope.....	4
2 Apparatus for sampling	4
2.1 Suitable containers with a capacity of minimum 0,5 l.....	4
2.2 Stirring rod with a diameter of 20 mm to 30 mm and of suitable length	4
3 Procedure for sampling.....	4
4 Sample labelling	5
Annex A (informative) Procedure for sampling after laying.....	6
A.1 General.....	6
A.2 Sample labelling	6

European foreword

This document (EN 12274-1:2018) 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 1:2003.

Compared with EN 12274 1:2003, the following changes have been made:

- a) the position of when to take a sample from production has been defined;
- b) an informative annex has been added to evaluate sampling after laying.

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.

1 Scope

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

This European Standard specifies a method for sampling of slurry surfacing mixtures from production during laying.

A method for sampling from the road surface after laying is described in an informative annex (Annex A) for evaluation purposes.

Production testing needs operators with good practice and is carried out provided there are no specific local or other national regulations that are required to be followed.

WARNING - The use of this standard may involve hazardous materials, operations and equipment. This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of the standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

2 Apparatus for sampling

2.1 Suitable containers with a capacity of minimum 0,5 l

In order to achieve the amount of sample needed, several containers may be used. For closing the containers a tightly fitting lid is recommended.

A sampling frame to hold one or more containers may be used.

2.2 Stirring rod with a diameter of 20 mm to 30 mm and of suitable length

In order to achieve a homogeneous sample, stirring might be required.

3 Procedure for sampling

- 1) All samples of the slurry surfacing mixture shall be taken during production, immediately before being laid. No sample shall be taken until the laid material appears uniform and homogeneous. No sample shall be taken at the very beginning or end of production. The sample has to be taken until the machine has laid on road at least 30 linear metres of material.

NOTE 1 For small machines used on footways and cycle ways the sample can be taken at any time during production before being laid, this can also be from a batch mix.

- 2) Take the sample by holding the container(s) in the full flow of the discharging mixture until it is (each are) full but not overflowing.

NOTE 2 A sample frame is a convenient and safe method to hold the containers.

- 3) Samples of slurry surfacing mixture shall be packed and stored so that no contamination or damage to the sample takes place.
- 4) If the sample is large or has to be divided for testing then it may be necessary to stir the sample continuously until the slurry surfacing mixture has achieved an initial set to ensure all the aggregate particles remain in suspension and do not segregate.