ICS 93.080.20 SLOVENSKÁ TECHNICKÁ NORMA September 2018

STN	**Kalové zákryty Skúšobné metódy Časť 4: Stanovenie súdržnosti zmesi**	**STN EN 12274-4 73 6164**

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

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/18

Obsahuje: EN 12274-4:2018

Oznámením tejto normy sa ruší
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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 12274-4

March 2018

ICS 93.080.20 Supersedes EN 12274-4:2003

English Version

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 Asphaltdeckschichten in Kaltbauweise - Prüfverfahren - Teil 4: Bestimmung der Kohäsion von Bitumenschlämmen

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

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European foreword

This document (EN 12274-4:2018) 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 12274-4:2003.

Compared with EN 12274-4:2003, the following changes have been made:

a) The requirement for five samples for test has been removed, permitting the actual number to be determined in the producer's method statement. Precision for five and three samples is being evaluated.

b) The temperature to facilitate drying has been increased from 100 °C to 110 °C.

c) The rubber foot is now specified in terms of IRHD to ISO 48.

d) The possibility of usage of automatic equipment added.

e) Various Notes have been changed to standard text to clarify the requirements and improve precision.

f) Assessment of the samples (uneven profile, loss of aggregate, etc.) is reported as this affects the result.

g) Visual assessment of the samples after test is graded according to photographs that have been added.

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 specifies a test method for determining the minimum cohesion of a slurry surfacing mixture, which enables the set time and trafficability time to be determined.

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

ISO 6344-2, *Coated abrasives — Grain size analysis — Part 2: Determination of grain size distribution of macrogrits P12 to P220*