

<b>STN</b>	<b>Kalové zákryty Skúšobné metódy</b> <b>Časť 5: Stanovenie minimálneho obsahu spojiva a odolnosti proti opotrebovaniu</b>	<b>STN EN 12274-5</b>  73 6164
------------	---	--

Slurry surfacing - Test method - Part 5: Determination of the minimum binder content and wearing resistance

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 12274-5:2018

Oznámením tejto normy sa ruší  
STN EN 12274-5 (73 6164) z júla 2004

**127142**



EUROPEAN STANDARD

EN 12274-5

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2018

ICS 93.080.20

Supersedes EN 12274-5:2003

English Version

## Slurry surfacing - Test method - Part 5: Determination of the minimum binder content and wearing resistance

Matériaux bitumineux coulés à froid - Méthode d'essai  
- Partie 5: Détermination de la teneur minimum en  
liant et de la résistance à l'usure

Dünne Asphaltdeckschichten in Kaltbauweise -  
Prüfverfahren - Teil 5: Bestimmung des  
Mindestbindemittelgehaltes und des Verschleißes 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

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

**EN 12274-5:2018 (E)**

<b>Contents</b>		<b>Page</b>
<b>European foreword</b> .....		<b>3</b>
<b>1</b>	<b>Scope</b> .....	<b>4</b>
<b>2</b>	<b>Normative references</b> .....	<b>4</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>4</b>
<b>4</b>	<b>Principle</b> .....	<b>4</b>
<b>5</b>	<b>Materials</b> .....	<b>5</b>
<b>5.1</b>	<b>Coarse aggregates and fine aggregates</b> .....	<b>5</b>
<b>5.2</b>	<b>Reactive filler</b> .....	<b>5</b>
<b>5.3</b>	<b>Emulsion</b> .....	<b>5</b>
<b>6</b>	<b>Apparatus</b> .....	<b>5</b>
<b>6.1</b>	<b>Apparatus used for preparation of samples</b> .....	<b>5</b>
<b>6.2</b>	<b>Apparatus used for testing</b> .....	<b>6</b>
<b>7</b>	<b>Preparation of sample</b> .....	<b>9</b>
<b>7.1</b>	<b>Conditioning temperature</b> .....	<b>9</b>
<b>7.2</b>	<b>Water addition</b> .....	<b>10</b>
<b>7.3</b>	<b>Aggregates and reactive filler</b> .....	<b>10</b>
<b>7.4</b>	<b>Water and additive</b> .....	<b>10</b>
<b>7.5</b>	<b>Emulsion</b> .....	<b>10</b>
<b>7.6</b>	<b>Sample size</b> .....	<b>10</b>
<b>7.7</b>	<b>Curing</b> .....	<b>11</b>
<b>8</b>	<b>Test procedure</b> .....	<b>11</b>
<b>9</b>	<b>Expression of results</b> .....	<b>12</b>
<b>9.1</b>	<b>Test sample mass</b> .....	<b>12</b>
<b>9.2</b>	<b>Conversion factor</b> .....	<b>12</b>
<b>9.3</b>	<b>Test result</b> .....	<b>12</b>
<b>10</b>	<b>Test report</b> .....	<b>12</b>
<b>11</b>	<b>Precision</b> .....	<b>12</b>
<b>Annex A (informative) Minimum amount of emulsion for slurry surfacing with a given aggregate composition to withstand the abrasive action of traffic</b> .....		<b>13</b>
<b>Annex B (informative) Resistance to wear of the mix at early stage under different traffic and climatic conditions</b> .....		<b>14</b>
<b>B.1</b>	<b>General</b> .....	<b>14</b>
<b>B.2</b>	<b>Curing</b> .....	<b>14</b>
<b>B.3</b>	<b>Test procedure for determining the resistance to wear</b> .....	<b>14</b>

## European foreword

This document (EN 12274-5:2018) 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 12274-5:2003.

Compared with EN 12274-5:2003, the following changes have been made:

- a) In 6.1 the humidity is reduced from 100 % to 60 %;
- b) In 6.2 the Abrasion machine is defined in terms of rotating speed and force applied.

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.

**EN 12274-5:2018 (E)****1 Scope**

This European Standard specifies a test method for the design of slurry surfacing mixture based on the determination of the minimum binder content of the mixture and the resistance to wear under wet track abrasion conditions for the purpose to support the mixture design.

This test can be used for quality control purposes.

**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*

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

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**