

STN	Asfalty a asfaltové spojivá. Stanovenie obsahu vody v asfaltových emulziách. Metóda s použitím rovnováhy sušenia.	STN EN 16849 65 7030
------------	--	--

Bitumen and bituminous binders - Determination of water content in bituminous emulsions - Method using a drying balance

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. 03/17

Obsahuje: EN 16849:2016

124065

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2017
Podľa zákona č. 264/1999 Z. z. o technických požiadavkách na výrobky a o posudzovaní zhody a o zmene a doplnení niektorých zákonov v znení neskorších predpisov sa slovenská technická norma a časti slovenskej technickej normy môžu rozmnožovať alebo rozširovať len so súhlasom slovenského národného normalizačného orgánu.

EUROPEAN STANDARD

EN 16849

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2016

ICS 75.140; 91.100.50

English Version

Bitumen and bituminous binders - Determination of water content in bituminous emulsions - Method using a drying balance

Bitumes et liants bitumineux - Détermination de la teneur en eau des émulsions de bitume - Méthode par évaporation à la balance dessiccatrice

Bitumen und bitumenhaltige Bindemittel - Bestimmung des Wassergehaltes von Bitumenemulsionen - Verfahren mittels Trocknungswaage

This European Standard was approved by CEN on 29 July 2016.

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, 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: Avenue Marnix 17, B-1000 Brussels

Contents	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Principle	5
5 Reagents and material	5
6 Apparatus	5
7 Sampling	5
8 Procedure	5
8.1 Control of the apparatus	5
8.2 Test temperature and stop criterion	5
8.3 Test	5
9 Calculation	6
10 Expression of results	6
11 Precision	6
11.1 Repeatability	6
11.2 Reproducibility	7
12 Test report	7
Bibliography	8

European foreword

This document (EN 16849:2016) has been prepared by Technical Committee CEN/TC 336 “Bituminous binders”, the secretariat of which is held by AFNOR.

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 April 2017, and conflicting national standards shall be withdrawn at the latest by April 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies a quick method for determining, by evaporation, the water content of bituminous road emulsions, with or without polymer added.

For bituminous emulsions without flux oil, bituminous emulsions containing vegetal flux oil, and bituminous emulsions containing up to 1,5 % mass of mineral flux oil in the emulsion, this European Standard, according to the selected operating conditions, is considered as an alternative method to the reference methods EN 1428 [1] and EN 1431 [2].

Above a mineral flux oil content of 1,5 % by mass, depending on the volatility of the flux oil:

- the present method can be used if the user can prove its reliability in comparison to EN 1428 or EN 1431.
- the present method can only be used by correcting the result by means of a previously established correlation with the reference method EN 1428 or EN 1431.

NOTE Polymer modified emulsions can behave differently in the test than unmodified emulsions; in case of doubt, the method is checked against EN 1428 or EN 1431.

In case of dispute, the water content should be determined according to EN 1428 or EN 1431.

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

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 58, *Bitumen and bituminous binders — Sampling bituminous binders*

EN 12594, *Bitumen and bituminous binders — Preparation of test samples*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN