

**Bitumen and bituminous binders - Recovery of binder
from bituminous emulsion or cut-back or fluxed
bituminous binders - Part 2: Stabilisation after recovery
by evaporation**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 13074-2:2011 sisaldab Euroopa standardi EN 13074-2:2011 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 28.02.2011 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

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This Estonian standard EVS-EN 13074-2:2011 consists of the English text of the European standard EN 13074-2:2011.

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English Version

**Bitumen and bituminous binders - Recovery of binder from
bituminous emulsion or cut-back or fluxed bituminous binders -
Part 2: Stabilisation after recovery by evaporation**

Bitumes et liants bitumineux - Récupération du liant d'une
émulsion de bitume ou d'un bitume fluidifié ou fluxé - Partie
2: Stabilisation après récupération par évaporation

Bitumen und bitumenhaltige Bindemittel - Rückgewinnung
des Bindemittels aus Bitumenemulsion oder verschnittenen
oder gefluxten Bitumen - Teil 2: Stabilisierung nach
Rückgewinnung durch Verdunstung

This European Standard was approved by CEN on 8 January 2011.

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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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 13074-2:2011) 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of an identical text or by endorsement, at the latest by August 2011, and conflicting national standards shall be withdrawn at the latest by August 2011.

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.

This document supersedes EN 14895:2006.

This European Standard EN 13074 consists of the following parts:

EN 13074 -1, Bitumen and bituminous binders – Recovery of binder from bituminous emulsion or cut-back or fluxed bituminous binders – Part 1: Recovery by evaporation

EN 13074 -2, Bitumen and bituminous binders – Recovery of binder from bituminous emulsion or cut-back or fluxed bituminous binders – Part 2: Stabilisation after recovery by evaporation

EN 13074-2 has been created as the result of the merging of EN 13074:2002 and EN 14895:2006 under a single EN 13074 reference (two different parts). Since both standards describe similar procedures which are generally performed consecutively. The two different parts have been made as consistent as possible and the procedures for removing, storing and preparing the binder sample for further testing have been clarified and specified more accurately.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies a method for the stabilisation at 85 °C for 24 h of a binder after recovery from a bituminous emulsion or from a cut-back or fluxed bitumen for further testing.

It applies to all types of bituminous emulsions, modified with polymers or non-modified, and as well as to all types of cut-back and fluxed bitumens, both modified with polymers and non-modified.

The recovery test method is specified in EN 13074-1.

WARNING — The use of this document may involve hazardous materials, operations and equipment. This document does not purport to address all of the safety problems associated with its use. The hazards associated with the use of this method have been assessed using cut-back bitumen containing 10 % kerosene and 90 % 160/220 penetration grade bitumen and were found low enough to be acceptable. However it is the responsibility of the user of this document to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

EN 13074-1, *Bitumen and bituminous binders – Recovery of binder from bituminous emulsion or cut-back or fluxed bituminous binders – Part 1: Recovery by evaporation*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
recovered binder
material remaining after the treatment of a bituminous emulsion or a cut-back or fluxed bitumen under the conditions specified in EN 13074-1

3.2
stabilised binder
binder free from most of the volatile part of its flux oils, obtained from **recovered binder** by heating at 85 °C for 24 h under the conditions specified according to this method

4 Principle

A thin layer of recovered binder from a bituminous emulsion or a cut-back or fluxed bituminous product is stabilised for 24 h at 85 °C in a ventilated oven.

5 Apparatus

Usual laboratory apparatus and glassware, together with the following:

5.1 Flat plates, of known surface area, equipped with an edge of maximum internal height 35 mm and a minimum surface area of 0.04 m². The internal base of the plate shall have no deformation greater in depth