



BSI Standards Publication

Bitumen and bituminous binders - Recovery of binder from bituminous emulsion or cut-back or fluxed bituminous binders

Part 1: Recovery by evaporation

National foreword

This British Standard is the UK implementation of [EN 13074-1:2019](#). It is dual numbered as BS 2000-493:2019. It supersedes [BS EN 13074-1:2011](#) (dual numbered as BS 2000-493:2011), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PTI/13, Petroleum Testing and Terminology.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2019
Published by BSI Standards Limited 2019

ISBN 978 0 580 99052 6

ICS 91.100.50

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 28 February 2019.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

English Version

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

Bitumes et liants bitumineux - Récupération du liant
d'une émulsion bitumineuse ou d'un bitume fluidifié
ou fluxé - Partie 1 : Récupération par évaporation

Bitumen und bitumenhaltige Bindemittel
- Rückgewinnung des Bindemittels aus
Bitumenemulsion oder verschnittenem
oder gefluxtem Bindemittel - Teil 1:
Rückgewinnung durch Verdunstung

This European Standard was approved by CEN on 19 November 2018.

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: Avenue Marnix 17, B-1000 Brussels

Contents

Page

European foreword	iii
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Principle	5
5 Apparatus	5
5.1 Ventilated oven	5
6 Sampling	6
7 Procedure	6
7.1 Preparation of the test holder	6
7.2 Bituminous emulsion	6
7.2.1 Determination of emulsion mass required	6
7.2.2 Recovery procedure	7
7.2.3 Removal and storage of the recovered binder	7
7.2.4 Preparation of the recovered binder sample for further testing	7
7.3 Cut-back or fluxed bitumen	8
7.3.1 Determination of cut-back or fluxed bitumen mass required	8
7.3.2 Recovery procedure	8
7.3.3 Removal and storage of the recovered binder	9
7.3.4 Preparation of the recovered binder sample for further testing	9
8 Preparation report	9
Bibliography	10

European foreword

This document ([EN 13074-1:2019](#)) 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 2019, and conflicting national standards shall be withdrawn at the latest by August 2019.

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 13074-1:2011](#).

The main technical changes are:

- more precise requirements for the ventilated oven ([5.1](#)) and the metallic plates ([5.2](#)), as well as for the placing of the plates within the oven ([7.2.2](#) and [7.3.2](#));
- description of additional equipment (beaker, oven) to be used for the reheating of the recovered binder samples ([5.5](#) and [5.6](#));
- possibility is given of using [EN 16849](#) for the determination of the water content of a bituminous emulsion ([7.2.1.1](#));
- shorter storage period of the recovered binder samples before further testing ([7.2.3](#) and [7.3.3](#));
- more precise instructions (reheating temperatures and maximum reheating time) for the preparation of the recovered binder sample prior to further testing ([7.2.4](#) and [7.3.4](#)).

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.