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Standards

Irish Standard  
I.S. EN 15322:2013

# Bitumen and bituminous binders - Framework for specifying cut-back and fluxed bituminous binders

## I.S. EN 15322:2013

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWIFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces:*  
EN 14733:2005+A1:2010  
EN 15322:2009

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English Version

## Bitumen and bituminous binders - Framework for specifying cut-back and fluxed bituminous binders

Bitumes et liants bitumineux - Cadre de spécifications pour les liants bitumineux fluidifiés et fluxés

Bitumen und bitumenhaltige Bindemittel - Rahmenwerk für die Spezifizierung von verschnittenen und gefluxten bitumenhaltigen Bindemitteln

This European Standard was approved by CEN on 14 March 2013.

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.

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## Contents

Page

Foreword.....	3
<b>1 Scope.....</b>	<b>5</b>
<b>2 Normative references.....</b>	<b>5</b>
<b>3 Terms and definitions.....</b>	<b>6</b>
<b>4 Abbreviated terms.....</b>	<b>6</b>
<b>5 Requirements and test methods.....</b>	<b>7</b>
<b>5.1 Properties/characteristics and related test methods.....</b>	<b>7</b>
<b>5.1.1 General.....</b>	<b>7</b>
<b>5.1.2 Properties of cut-back and fluxed bituminous binders (Table 3).....</b>	<b>9</b>
<b>5.1.3 Stabilised and long-term aged binders from cut-back and fluxed bituminous binders.....</b>	<b>9</b>
<b>5.1.4 Properties of stabilised and long-term aged binders from cut-back and fluxed bituminous binders.....</b>	<b>9</b>
<b>5.2 Dangerous substances.....</b>	<b>10</b>
<b>6 Assessment and verification of constancy of performance - AVCP.....</b>	<b>16</b>
<b>6.1 General.....</b>	<b>16</b>
<b>6.2 Type testing.....</b>	<b>16</b>
<b>6.2.1 General.....</b>	<b>16</b>
<b>6.2.2 Test samples, testing and compliance criteria.....</b>	<b>17</b>
<b>6.2.3 Test reports.....</b>	<b>17</b>
<b>6.2.4 Shared other party results.....</b>	<b>17</b>
<b>6.3 Factory production control (FPC).....</b>	<b>17</b>
<b>6.3.1 General.....</b>	<b>17</b>
<b>6.3.2 Requirements.....</b>	<b>18</b>
<b>6.3.3 Initial inspection of factory and of FPC.....</b>	<b>23</b>
<b>6.3.4 Continuous surveillance of FPC.....</b>	<b>24</b>
<b>6.3.5 Procedure for modifications.....</b>	<b>24</b>
<b>6.3.6 One-off products, pre-production products (e.g. prototypes) and products produced in very low quantity.....</b>	<b>24</b>
<b>Annex A (informative) Examples of abbreviated terms for cut-back and fluxed bituminous binders.....</b>	<b>26</b>
<b>Annex B (informative) Examples of selected performance classes for cut-back and fluxed bituminous binders.....</b>	<b>27</b>
<b>Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EC Construction Products Regulation 305/2011.....</b>	<b>29</b>
<b>ZA.1 Scope and relevant characteristics.....</b>	<b>29</b>
<b>ZA.2 Procedure for AVCP of cut-back and fluxed bituminous binders.....</b>	<b>31</b>
<b>ZA.2.1 System of AVCP.....</b>	<b>31</b>
<b>ZA.2.2 Declaration of performance (DoP).....</b>	<b>32</b>
<b>ZA.3 CE marking and labelling.....</b>	<b>35</b>
<b>Bibliography.....</b>	<b>38</b>

## Foreword

This document (EN 15322:2013) 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 November 2013, and conflicting national standards shall be withdrawn at the latest by May 2014.

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 15322:2009, EN 14733:2005+A1:2010.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports basic work requirements of the EU Regulation.

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

The main technical changes brought to EN 15322 are as follows:

- revision of viscosity performance classes in Table 3;
- rewriting of Clause 6 (Assessment and Verification of the Constancy of Performance - AVCP) and Annex ZA in accordance with the requirements of Regulation (EU) 305/2011 (Construction Products Regulation-CPR);
- incorporation of the clauses on AVCP previously covered by EN 14733:2005+A1:2010.

This European Standard is part of a family of European Standards for bitumen as follows:

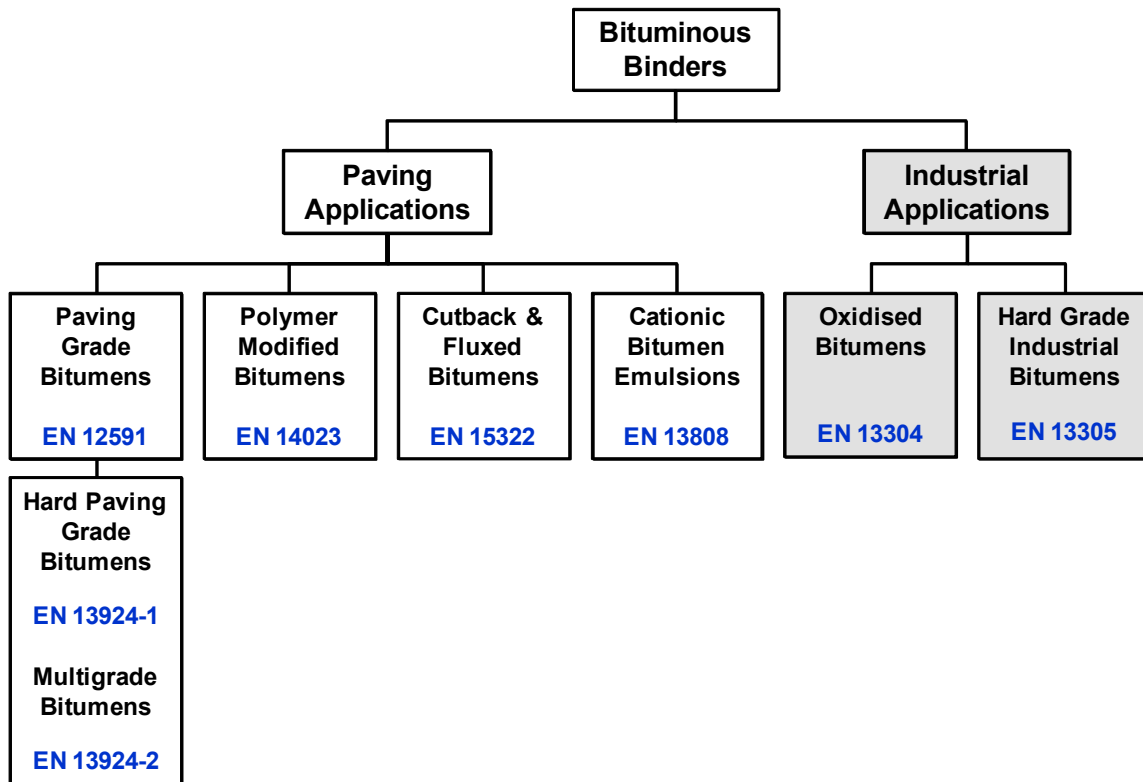


Figure 1 — European Standards for Bitumens

NOTE Industrial applications are not covered by Mandate M/124.

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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## 1 Scope

This European Standard provides a framework for specifying cut-back and fluxed bituminous binders which are suitable for the use in the construction and maintenance of roads, airfields and other paved areas.

This European Standard applies to un-modified and polymer modified bituminous cut-back and fluxed materials.

## 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 1426, *Bitumen and bituminous binders — Determination of needle penetration*

EN 1427, *Bitumen and bituminous binders — Determination of the softening point — Ring and Ball method*

EN 12591, *Bitumen and bituminous binders — Specifications for paving grade bitumens*

EN 12592, *Bitumen and bituminous binders — Determination of solubility*

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

EN 12595, *Bitumen and bituminous binders — Determination of kinematic viscosity*

EN 12596, *Bitumen and bituminous binders — Determination of dynamic viscosity by vacuum capillary*

EN 12597, *Bitumen and bituminous binders — Terminology*

EN 12846-2, *Bitumen and bituminous binders — Determination of the efflux time by the efflux viscometer — Part 2: Cut-back and fluxed bituminous binders*

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 13302, *Bitumen and bituminous binders — Determination of dynamic viscosity of bituminous binder using a rotating spindle apparatus*

EN 13358, *Bitumen and bituminous binders — Determination of the distillation characteristics of cut-back and fluxed bituminous binders made with mineral fluxes*

EN 13398, *Bitumen and bituminous binders — Determination of the elastic recovery of modified bitumen*

EN 13587, *Bitumen and bituminous binders — Determination of the tensile properties of bituminous binders by the tensile test method*

EN 13588, *Bitumen and bituminous binders — Determination of cohesion of bituminous binders with pendulum test*

EN 13589, *Bitumen and bituminous binders — Determination of the tensile properties of modified bitumen by the force ductility method*

EN 13703, *Bitumen and bituminous binders — Determination of deformation energy*

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