



NSAI
Standards

Irish Standard
I.S. EN 13282-2:2015

Hydraulic road binders - Part 2: Normal hardening hydraulic road binders - Composition, specifications and conformity criteria

I.S. EN 13282-2:2015

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Hydraulic road binders - Part 2: Normal hardening hydraulic road binders - Composition, specifications and conformity criteria

Liants hydrauliques routiers - Liants hydrauliques routiers à durcissement normal - Partie 2: Composition, spécifications et critères de conformité

Hydraulische Tragschichtbinder - Teil 2: Normal erhärtende hydraulische Tragschichtbinder - Zusammensetzung, Anforderungen und Konformitätskriterien

This European Standard was approved by CEN on 8 February 2015.

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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EN 13282-2:2015 (E)

Foreword

This European Standard (EN 13282-2:2015) has been prepared by Technical Committee CEN/TC 51 "Cement and building limes", the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by October 2015, and conflicting national standards shall be withdrawn at the latest by October 2015.

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 and EN 13282-1:2013 supersedes ENV 13282:2000.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

For relationship with Regulation (EU) No. 305/2011, see the informative Annex ZA which is an integral part of this standard.

The European Standard EN 13282 for *Hydraulic road binders* consists of the following parts:

- *Part 1: Rapid hardening hydraulic road binders – Composition, specifications and conformity criteria;*
- *Part 2: Normal hardening hydraulic road binders – Composition, specifications and conformity criteria;*
- *Part 3: Conformity evaluation.*

The Scopes of EN 13282-1 and EN 13282-2 that supersede ENV 13282:2000 are covering more families of products. They refer to the classification of building limes given in EN 459-1:2010.

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.

Introduction

Depending on the local experience and availability of products and materials, different binders are used for roadbases and sub-bases, capping layers, soil treatment (stabilization and improvement) in Europe. These include cements conforming to EN 197-1, building limes conforming to EN 459-1 and hydraulic road binders presently defined in existing national standards or national technical approvals.

Hydraulic road binders are finished products, produced in a factory and supplied ready for use. They are differentiated according to their strength development into normal hardening hydraulic road binders, specified in this part of European Standard and rapid hardening hydraulic road binders, specified in EN 13282-1. EN 13282-3 defines the conformity evaluation procedure for hydraulic road binders according to this standard.

Binders obtained through mixing of their constituents on site are not covered by this European Standard.

Cements, masonry cements and building limes are also outside the scope of this European Standard, as they are defined in specific European Standards.

EN 13282-2:2015 (E)

1 Scope

-This European Standard defines and gives the specifications for normal hardening hydraulic road binders, produced in a factory and supplied ready for treatment of materials for bases, sub-bases and capping layers as well as earthworks, in road, railway, airport and other types of infrastructures.

It includes the mechanical, physical and chemical requirements and the classification of these binders based on their compressive strength at 56 days. It also includes the conformity criteria and evaluation procedures to be applied by the manufacturer.

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 196-1, *Methods of testing cement — Part 1: Determination of strength*

EN 196-2, *Method of testing cement — Part 2: Chemical analysis of cement*

EN 196-3, *Methods of testing cement — Part 3: Determination of setting times and soundness*

EN 196-6, *Methods of testing cement — Part 6: Determination of fineness*

EN 196-7, *Methods of testing cement — Part 7: Methods of taking and preparing samples of cement*

EN 197-1, *Cement — Part 1: Composition, specifications and conformity criteria for common cements*

EN 451-1, *Method of testing fly ash — Part 1: Determination of free calcium oxide content*

EN 459-1, *Building lime — Part 1: Definitions, specifications and conformity criteria*

EN 459-2, *Building lime — Part 2: Test methods*

EN 13282-3, *Hydraulic road binders — Part 3: Conformity evaluation*

ISO 10694, *Soil quality — Determination of organic and total carbon after dry combustion (elementary analysis)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 197-1 and the following apply.

3.1

autocontrol testing

continual testing by the manufacturer of normal hardening hydraulic road binder spot samples taken at the point(s) of release from the factory/depot

3.2

control period

period of production and dispatch identified for the evaluation of the autocontrol test results

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