



UGANDA NATIONAL BUREAU OF STANDARDS

DECLARATION OF NATIONAL STANDARDS

This is to notify the General Public that under Section 15 of the Uganda National Bureau of Standards (UNBS) Act (Cap 327), as amended, the National Standards Council has declared the following standards whose Reference Numbers, Titles and Scopes are listed below in this Notice are elaborated National Standards (Uganda Standards).

It is further notified that following the publication of revised versions of some standards, the National Standards Council has withdrawn the versions of those standards whose reference numbers and titles are listed under Section 5 of this notice from being national standards. Users are advised to see to it that they are using the current standards in all cases.

These Uganda Standards and information regarding these standards may be viewed (and obtained at a fee) at the UNBS Head Office, Standards House, Bweyogerere Industrial Park, Plot 2-12 Bypass Link, P.O. Box 6329, Kampala, Tel: +256-417-333250/1/2, E-mail: info@unbs.go.ug

SECTION 1

ENGINEERING STANDARDS - CEMENT

1. US EAS 18-1:2017, Cement — Part 1: Composition, specification and conformity criteria for common cements

Scope: This Uganda Standard gives the specifications which include mechanical, physical and chemical requirements of 27 distinct common cements, seven sulphate resisting common cements as well as three distinct low early strength blast furnace cements and two sulphate resisting low early strength blast cements and their constituents. *(This standard cancels and replaces US 310 - 1:2016, Cement — Part 1: Composition, specifications, and conformity criteria for common cements, which has been technically revised).*

2. US EAS 18-2:2017, Cement — Part 2: Conformity evaluation

Scope: This Uganda Standard specifies the scheme for the assessment and verification of constancy of performance (AVCP) of cements to their corresponding product specification standards, including certification of constancy of performance by a product certification body. *(This standard cancels and replaces US 310-2:2016, Cement — Part 2: Conformity evaluation, which has been technically revised).*

3. US EAS 148-1:2017, Cement — Test methods — Part 1: Determination of strength

Scope: This Uganda Standard describes the method for the determination of the compressive and, optionally, the flexural strength of cement mortar.

The method applies to common cements and to other cements and materials. *(This standard cancels and replaces US 100-1:2016, Cement — Test methods – Part 1: Determination of strength, which has been technically revised).*

4. US EAS 148-2:2017, Cement — Test methods — Part 2: Chemical analysis

Scope: This Uganda Standard specifies the methods for the chemical analysis of cement. The standard describes the reference methods and, in certain cases, an alternative method which can be considered to be equivalent. In the case of dispute, only the reference methods are used. *(This standard cancels and replaces US 100-2:2016, Cement — Test methods – Part 2: Chemical analysis, which has been technically revised).*

5. US EAS 148-3:2017, Cement — Test methods — Part 3: Determination of setting times and soundness)

Scope: This Uganda Standard specifies the methods for determining standard consistence, setting times and soundness of cements. The method applies to common cement and to other cements and materials. It may not apply to other cement types that have a very short initial setting. It describes the reference methods and allows the use of alternative procedures and equipment, as indicated in notes, provided that they have been calibrated against the reference methods. *(This standard cancels and replaces US 100-3:2016, Cement — Test methods — Part 3: Determination of standard consistency, setting time and soundness, which has been technically revised).*

6. US EAS 148-4:2017, Cement — Test methods — Part 4: Quantitative determination of constituents

Scope: This Uganda Standard describes the procedures for determining the contents of the most of the constituents of cements that fall within the scope of US EAS 18-1. *(This standard cancels and replaces US 100-4:2016, Cement — Test methods — Part 4: Quantitative determination of constituents, which has been technically revised).*

7. US EAS 148-5:2017, Cement — Test methods — Part 5: Pozzolanicity test for pozzolanic cements

Scope: This Uganda Standard specifies the method of measuring the pozzolanicity of pozzolanic cements conforming to US EAS 18-1. This standard does not apply to Portland pozzolana cements or to pozzolanas. *(This standard cancels and replaces US 100-5:2016, Methods of testing cement — Part 5: Pozzolanicity test for pozzolanic cements, which has been technically revised).*

8. US EAS 148-6:2017, Cement — Test methods — Part 6: Determination of fineness

Scope: This Uganda Standard describes three methods for determining the fineness of cement and applies to all the cements defined in US EAS 18-1. *(This standard cancels and replaces US 100-6:2016, Cement — Test methods — Part 6: Determination of fineness, which has been technically revised).*

9. US EAS 148-7:2017, Cement — Test methods — Part 7: Methods of taking and preparing samples

Scope: This Uganda Standard describes the equipment to be used, the methods to be followed and the provisions to be complied with for taking samples of cement representative of given lots for testing to assess the quality of products prior to, during or after delivery. *(This standard cancels and replaces US 100-7:2016, Cement — Test methods — Part 7: Methods of taking and preparing samples, which has been technically revised).*

10. US EAS 148-8:2017: Cement — Test methods — Part 8: Heat of hydration — Solution method


Scope: This Uganda Standard lays down the methods for determining the heat of hydration by means of solution calorimetry, also known as the solution method. The heat of hydration is expressed in joules per gram of cement. This standard is applicable to cements and hydraulic binders whatever their chemical composition. *(This standard cancels and replaces US 100-8:2016, Cement — Test methods — Part 8: Heat of hydration — Solution method, which has been technically revised).*

SECTION 2

WITHDRAWN STANDARDS

1. US 310-1:2016, Cement — Part 1: Composition, specification and conformity criteria for common cements
2. US 310-2:2016, Cement — Part 2: Conformity evaluation
3. US 100-1:2016, Cement — Test methods — Part 1: Determination of strength
4. US 100-2:2016, Cement — Test methods — Part 2: Chemical analysis
5. US 100-3:2016, Cement — Test methods — Part 3: Determination of setting times and soundness
6. US 100-4:2016, Cement — Test Methods — Part 4: Quantitative determination of constituents
7. US 100-5:2001/EAS 148-5, Methods of testing cement— Part 5: Pozzolanicity test for pozzolanic cements
8. US 100-6:2016, Cement — Test methods — Part 6: Determination of fineness
9. US 100-7:2016, Cement — Test methods — Part 7: Methods of taking and preparing samples
10. US 100-8:2016, Cement — Test methods — Part 8: Heat of hydration — Solution method

APPROVED THIS DAY 21st February 2019



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