



**BAHAMAS NATIONAL STANDARD
Cement - Specification**

BNS CRS 54:2014

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AMENDMENT NO.	DATE OF ISSUE	TYPE OF AMENDMENT	NO. OF TEXT AFFECTED	TEXT OF AMENDMENT

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BBSQ Foreword

This Bahamian National Standard is identical with the CROSQ Regional Standard CRS 54:2014, *Cement – Specification*. The national committee responsible for this standard is Technical Committee NTC 6, *National Technical Committee for Cement*.

For the purposes of this standard, the following editorial changes have been made:

- the words “this regional standard” have been replaced by “this national standard”;
- in Table 1 – Cement designation, clause 6 of EN 197-1 was added for clarity;
- in Table 2 – Technical requirements for cement Type MS, Type HS, Type MH, and Type LH have been specified, as these are the kinds of cement used locally;
- in clause 5.2.1.2, CRS 55, *Labelling of goods – General principles* was changed to CRS 55, *Labelling of goods – Part 1 – General requirements*, as the name of the original document was changed;
- in clause 5.2.1.2 c), pounds was added as an additional unit of weight, as it is used locally;
- Correction of minor typographical errors.

BBSQ Committee representation

This CARICOM Regional Standard was adopted as a National Standard under the supervision of the National Technical Committee for Cement (NTC 6) (hosted by the Bahamas Bureau of Standards and Quality) which at the time comprised the following members:

Members

Mr. Charles Albury – Chairman

Mr. Brent Ferguson – Vice Chairman

Mr. Whittington Brown - Technical Secretary

Mr. Edwin Yuklow - Assistant Technical Secretary

Mr. Edward P. Williams

Mr. Nathaniel Higgs

Mr. Wellington Neely

Mr. Dwight Allen

Mr. Craig Delancy

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Representing

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Ministry of Works & Urban Development

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National Products

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Bahamas Society of Engineers

Department of Environmental Health Services

Ministry of Works & Urban Development

Department of Environmental Health Services

Lars Carroll Design Build

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CROSQ Foreword

This CARICOM Regional Standard *CRS 54: 2014 Cement – Specification* has been developed under the authority of the CARICOM Regional Organisation for Standards and Quality. It was approved as a CARICOM Regional Standard by the CARICOM Council for Trade and Economic Development at its 39th Meeting in November 2014.

This CARICOM Regional Standard is intended for use by manufacturers, importers and distributors of cement. It is also intended to provide engineers and other users with the expected performance requirements of cements covered by this standard.

Due to differing cement standards in use within the region, this standard adopts an approach that would address cements conforming to ASTM C150M, ASTM C595M, ASTM C1157M and EN 197-1 requirements.

This Regional Standard specifies requirements for fifteen types of cement derived from standards from the United States and European Union; these cement types, which are not exhaustive, are considered to be the most widely used hydraulic cement types used by the construction industry within the Caribbean region.

Annex A is informative and is intended to provide guidance for sampling frequencies.

In formulating this Standard considerable assistance was derived from the following:

ASTM C150/150M, Standard Specification for Portland Cement,

ASTM C595/C595M, Standard Specification for Blended Hydraulic Cement,

ASTM C1157/C1157M, Standard Performance Specification for Hydraulic Cement, and

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

CROSQ Committee representation

This CARICOM Regional Standard was developed under the supervision of the Regional Technical Committee (RTC 8) for Building Products by Sub-Committee 4 - Cement, (hosted by the CARICOM Member State, Trinidad and Tobago) which at the time comprised the following members:

Members

Dr. Lebert Grierson (**Chairperson**)

Mr. Stephen Bachan
Mr. Wayne Benjamin

Mr. Nari Boris

Representing

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and Agriculture, University of the West Indies,
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Mr. Victor Sooknarine

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Mr. Darryl Thomson (**Technical Secretary**)

Standardization Division, Trinidad and
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1. Scope

This National Standard specifies requirements for hydraulic cements used primarily in the construction industry. It includes requirements for compressive strength, physical properties, chemical properties, packaging, labelling and the means of determining conformance to these requirements.

This Standard applies to Portland and blended cement.

This standard does not apply to ASTM C150M Type IV cement.

2. Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this standard. For all undated references, the latest edition of the referenced document (including any amendments) applies.

ASTM C219, *Terminology Relating to Hydraulic Cement*

ASTM C150/150M, *Standard Specification for Portland Cement*

ASTM C595/595M, *Standard Specification for Blended Hydraulic Cements*

ASTM C1157/C1157M, *Standard Performance Specification for Hydraulic Cement*

CRS 55, *Labelling of goods – General principles*

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

ISO 2859-1, *Sampling procedures for inspection by attributes -- Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

3. Terms and definitions

For the purposes of this document, the terms and definitions given in EN 197-1 and ASTM C219 and the following apply.

3.1

national competent authority

any named government agency or agencies assigned, separately or jointly, the different areas of legal responsibility associated with the market surveillance of construction products

4. Cement designation

Cements shall be designated in accordance with Table 1.