



CSA A3000:23
National Standard of Canada



Cementitious materials compendium



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Contents

Technical Committee on Cementitious Materials Compendium 8

Preface 12

SDG Foreword 14

CSA A3001:23, *Cementitious materials for use in concrete*

1 Scope 16

1.1 General 16

1.2 Classifications 16

1.3 Terminology 16

1.4 Dual measurements 16

2 Reference publications 16

3 Definitions 22

4 Requirements for portland cement, portland-limestone cement, and blended hydraulic cement 26

4.1 Types 26

4.2 Nomenclature, proportions, and tolerances for components of blended hydraulic cement 27

4.2.1 Nomenclature 27

4.2.2 Proportions 27

4.2.3 Tolerances 27

4.3 Proportions and tolerances of portland-limestone cement 28

4.3.1 Proportions 28

4.3.2 Tolerances 28

4.4 Chemical requirements for portland cement, portland-limestone cement, and blended hydraulic cement 28

4.4.1 General 28

4.4.2 Limestone addition to hydraulic cement 28

4.4.3 Limestone addition to portland cement 28

4.4.4 Limestone addition to portland-limestone and blended portland-limestone cement 28

4.4.5 Cement and clinker requirements for use in blended hydraulic cements 29

4.4.6 Cement and clinker requirements for use in portland-limestone cements 29

4.4.7 Blended portland cement 29

4.4.8 Blended portland-limestone cement 29

4.4.9 Total equivalent alkali ($\text{Na}_2\text{O}_{\text{eq}}$) in portland cement, portland-limestone cement, and blended hydraulic cement 29

4.5 Physical requirements for portland cement, portland-limestone cement, and blended hydraulic cement 29

4.6 Processing additions for portland cement, portland-limestone cement, and blended hydraulic cement 30

4.6.1 General 30

4.6.2 Identification and reporting 30

- 4.7 Compressive strength uniformity requirements for portland cement, portland-limestone cement, and blended hydraulic cement 30
- 4.7.1 General 30
- 4.7.2 Time of test 30
- 4.7.3 Uniformity calculations 30

5 Requirements for supplementary cementitious materials and blended supplementary cementitious materials 31

- 5.1 Types 31
- 5.2 Proportions of blended supplementary cementitious materials 32
 - 5.2.1 Nomenclature 32
 - 5.2.2 Tolerances 32
- 5.3 Special requirements 33
- 5.4 Chemical requirements 33
 - 5.4.1 General 33
 - 5.4.2 Chemical requirements for slag 33
 - 5.4.3 Total equivalent alkali ($\text{Na}_2\text{O}_{\text{eq}}$) 34
- 5.5 Physical requirements 34
- 5.6 Processing additions 34
 - 5.6.1 General 34
 - 5.6.2 Fly ash and natural pozzolan 34
 - 5.6.3 Slag 35
 - 5.6.4 Identification and reporting 35
- 5.7 Materials and manufacture 35
 - 5.7.1 General 35
 - 5.7.2 Harvested ash 35

6 Sampling, testing, and inspection 35

7 Units, packaging, marking, storage, and reporting 36

- 7.1 General 36
- 7.2 Reporting 36
 - 7.2.1 Petroleum coke 36
 - 7.2.2 Miscellaneous 36
 - 7.2.3 Limestone 36

Annexes

- Annex A (informative) — Optional requirements 45
- Annex B (informative) — Guidelines for the use of supplementary cementitious materials in concrete 49
- Annex C (informative) — Explanation of changes to types and nomenclature for portland cement, portland-limestone cement, and blended hydraulic cement 50
- Annex D (informative) — Sustainable development and the cement industry 52

CSA A3002:23, *Masonry and mortar cement*

- 1 Scope 61
 - 1.1 General 61
 - 1.2 Terminology 61

2	Reference publications	61
3	Definitions	61
4	Masonry and mortar cement types	61
5	Test requirements	62
5.1	General	62
5.2	Mortar proportions	62
5.3	Chloride in masonry and mortar cement	62
6	Sampling, testing, and inspection	62
6.1	General	62
6.2	Sampling	62
7	Packaging, marking, storage, and reporting	62
Annexes		
	Annex A (informative) — Optional requirements	64

CSA A3003:23, *Chemical test methods for cementitious materials for use in concrete and masonry*

1	Scope	66
1.1	General	66
1.2	Terminology	66
2	Reference publications	66
3	Definitions	66
4	Qualification criteria	66
5	Qualification requirements and procedures	67
6	Qualification procedure for rapid test methods	67
6.1	Qualification of instrument and procedure	67
6.2	Instrument replacement	67
6.3	Determinations	68
6.4	Maximum permissible variations for acceptance as a qualified method	68
7	Equipment	68
8	Reagents	68
8.1	General	68
8.2	Water	68
8.3	Concentrated reagents	68
8.4	Dilute reagents	69
8.5	Standard potassium dichromate ($K_2Cr_2O_7$) solution	69
8.6	Non-standard solutions	69

8.6.1	General	69
8.6.2	Ammonium nitrate (NH_4NO_3) wash solution (100 g/L)	69
8.6.3	Stannous chloride dihydrate ($\text{SnCl}_2\cdot\text{H}_2\text{O}$) solution (50 g/L)	69
8.7	Standard liquids	69
8.8	Indicators	69
8.8.1	Methyl red (1 g/L)	69
8.8.2	Barium diphenylamine sulphonate ($\text{Ba}(\text{C}_6\text{H}_5\text{NHC}_6\text{H}_4\text{SO}_3)_2$, 3 g/L)	69
9	General procedures	70
9.1	Weighing	70
9.2	Tared or weighed crucibles	70
9.3	Constancy of mass of ignited residues	70
9.4	Procedure to avoid bumping of liquids being heated	70
9.5	Calculation	70
10	Insoluble residue	70
11	Moisture content and loss on ignition	72
11.1	General	72
11.2	Moisture content	72
11.3	Loss on ignition — Supplementary cementitious materials	72
11.3.1	Supplementary cementitious materials except G_H and G_L	72
11.3.2	G_H and G_L	72
11.4	Loss on ignition — Hydraulic cements	72
11.5	Reporting of results	72
12	Determination of the major oxides and tricalcium aluminate contents	73
12.1	General	73
12.2	Procedure	73
12.3	Silicon dioxide (SiO_2)	73
12.4	Combined oxides of the ammonium hydroxide (NH_4OH) group	74
12.5	Calcium oxide (CaO)	75
12.6	Magnesium oxide (MgO)	75
12.7	Ferric oxide (Fe_2O_3)	77
12.8	Aluminum oxide (Al_2O_3)	77
12.9	Tricalcium aluminate (C_3A)	77
13	Determination of minor components	78
13.1	General	78
13.2	Phosphorus pentoxide (P_2O_5)	78
13.3	Titanium dioxide (TiO_2)	78
13.4	Zinc oxide (ZnO)	78
13.5	Manganese oxide (Mn_2O_3)	78
13.6	Chloride (Cl)	78
13.7	Free calcium oxide (FCaO)	78
13.8	Alkali determination and total equivalent alkali calculation	79
13.8.1	Sodium and potassium oxides (Na_2O , K_2O) and total equivalent alkali ($\text{Na}_2\text{O}_{\text{eq}}$)	79
13.8.2	Water-soluble alkali (Alk_{sol})	79
13.8.3	Equivalent alkali (expressed as Na_2O)	79

- 14 Sulphur** 79
- 14.1 General 79
- 14.2 Sulphur trioxide (SO₃) 79
- 14.3 Sulphide sulphur (S) 80

CSA A3004:23, Test methods and standard practices for cementitious materials for use in concrete and masonry

- 1 Scope** 83
 - 1.1 General 83
 - 1.2 Test methods and standard practices 83
 - 1.3 Contents of test methods and standard practices 83
 - 1.4 Terminology 83
- 2 Reference publications** 84
- 3 Definitions** 84
- 4 Equipment and materials** 84

Annexes

- A3004-A1 — Standard practice for sampling, testing, and inspection 85
- A3004-A2 — Test method for determination of density 91
- A3004-A3 — Test method for determination of fineness by wet sieving 100
- A3004-A4 — Glass content by the modified McMaster method 103
- A3004-A5 — Rapid test method for determining the tendency of silica fume to entrap air in mortar or concrete 105
- A3004-A6 — Test method for verification of test 106
- A3004-A7 — Test method for determination of percent retained on 160 µm sieve 109
- A3004-B1 — Standard practice for mechanical mixing of hydraulic cement pastes and test method for determination of normal consistency 111
- A3004-B2 — Test method for time of set of hydraulic cement paste — Vicat needle 113
- A3004-B3 — Test method for time of set of hydraulic cement paste — Gillmore needles 116
- A3004-B6 — Test method for determination of early stiffening of cement paste 120
- A3004-B8 — Test method for determination of heat of hydration by isothermal conduction calorimetry 123
- A3004-C1 — Standard practice for mechanical mixing of hydraulic cement mortars and test method for determination of flow 129
- A3004-C2 — Test method for determination of compressive strengths 131
- A3004-C3 — Test method for determination of water retention of masonry mortar 140
- A3004-C4 — Test method for determination of air content 142
- A3004-C5 — Test method for determination of expansion of hydraulic cement mortar bars due to internal cement sulphate attack 146
- A3004-C6 — Test method for determination of expansion of portland cement mortar bars due to external sulphate 149
- A3004-C7 — Test method for determination of 28-day activity index (ground granulated blast-furnace slag with portland cement) 153
- A3004-C8 — Test method for determination of expansion of blended hydraulic cement mortar bars due to external sulphate attack 156

- A3004-C9 — Test method for determination of flexural bond strength 161
A3004-D1 — Methylene blue adsorption test of limestone for use in portland-limestone cement 166
A3004-E1 — Standard practice for the evaluation of alternative supplementary cementitious materials (ASCMs) for use in concrete as SCMs 173
-

CSA A3005:23, Test equipment and materials for cementitious materials for use in concrete and masonry

- 1 Scope** 186
1.1 General 186
1.2 Terminology 186
- 2 Reference publications** 186
- 3 Definitions** 186
- 4 Equipment and materials** 186
4.1 General 186
4.2 Environmental conditions of laboratory 187
4.2.1 Temperature 187
4.2.2 Humidity 187
4.3 Weighing equipment 187
4.3.1 Analytical balance 187
4.3.2 Scale 187
4.3.3 Weights 187
4.4 Glassware 188
4.5 Graduated cylinders 188
4.6 Cube moulds 188
4.6.1 Cube moulds 188
4.6.2 Mould assembly and lubrication 188
4.7 Mixer and accessories 189
4.7.1 Mixer 189
4.7.2 Paddle 189
4.7.3 Bowl 189
4.7.4 Lid 190
4.7.5 Scraper 190
4.8 Flow table 190
4.8.1 Table top and frame 190
4.8.2 Cam and shaft 190
4.8.3 Supporting frame and drive 190
4.8.4 Supporting pedestal 191
4.8.5 Levelling and stability 191
4.8.6 Lubrication 191
4.8.7 Calibration 191
4.8.8 Flow table mould 191
4.8.9 Flow table caliper 192
4.9 Tamper 192

- 4.10 Trowel 192
- 4.11 Compression testing machine 192
 - 4.11.1 Compression machine 192
 - 4.11.2 Verification of calibration 193
- 4.12 Conditioning equipment 193
 - 4.12.1 Temperature and humidity 193
 - 4.12.2 Moist cabinet 193
 - 4.12.3 Moist room 193
 - 4.12.4 Water storage tanks 194
- 4.13 Le Chatelier flask 194
- 4.14 Sampling tube 194
- 4.15 Sieves 194
- 4.16 Non-absorptive plates 195
- 4.17 Vicat and Gillmore test equipment 195
 - 4.17.1 Vicat apparatus 195
 - 4.17.2 Gillmore needles 195
- 4.18 Volume measure 195
- 4.19 Water retention test apparatus 195
- 4.20 Wet-sieving equipment 196
 - 4.20.1 Pressure gauge for wet sieving 196
 - 4.20.2 45 µm sieve for wet sieving 196
 - 4.20.3 Spray nozzle for wet sieving 197
- 4.21 Flexural bond strength apparatus and accessories 197
 - 4.21.1 Cone penetrometer 197
 - 4.21.2 Standard masonry unit for flexural bond strength test 197
 - 4.21.3 Flexural bond jigs and testing apparatus 198
- 4.22 Length comparator 198
- 4.23 Bar moulds 199
 - 4.23.1 Description 199
 - 4.23.2 Assembly and lubrication 199
- 4.24 Steam bath 199

5 Materials 200

- 5.1 Sand 200
 - 5.1.1 General 200
 - 5.1.2 Sand gradation 200
 - 5.1.3 Sand verification procedure 200
- 5.2 Water 200
 - 5.2.1 Chemical analysis 200
 - 5.2.2 Physical tests 200
 - 5.2.3 Saturated lime water (lime water) 200
- 5.3 Gypsum for sulphate resistance test 201

Index 229

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Preface

This is the sixth edition of CSA A3000, *Cementitious materials compendium*. It supersedes the previous editions published in 2018, 2013, 2008, 2003, and 1998.

The following are the major changes to this edition:

- a) addition of testing frequencies for internal sulphate attack (see CSA A3004-C5);
- b) addition of chemical requirements for ground glass pozzolans;
- c) addition of lime-pozzolan activity test requirements for natural pozzolans;
- d) changes in the sulphate resistance testing requirements, allowing the use of CSA A3004-C6 for portland or portland-limestone cements;
- e) addition of a new test method for measuring the percent passing the 160-micron sieve to support the limit required for harvested fly ash (see Table [A.3](#));
- f) creation of classes of supplementary cementitious materials (SCMs), allowing products from within the same class of SCM to be blended to produce a compliant type of SCM;
- g) removal of the LOI limit in Table [7](#) for natural pozzolans;
- h) added permissions for the use of ground glass in blended hydraulic cements with LOI restrictions;
- i) removal of atmospheric the steam test (CSA A3004-B4) along with requirements for masonry and mortar cement;
- j) removal of the autoclave expansion test (CSA A3004-B5) along with the requirements listed in CSA A3001, Tables [4](#), [5](#), [6](#), and [8](#) and CSA A3002, Table [1](#);
- k) removal of the heat of hydration, heat of solution test (CSA A3004-B7) along with the requirements listed in CSA A3001, Tables [4](#), [5](#), [6](#), and [A.3](#), and all the related MH and LH type designations throughout compendium; and
- l) other changes to harmonize with various ASTM and ACI publications, including change of terminology from supplementary cementing materials to supplementary cementitious materials.

CSA Group acknowledges that the development of this Standard was made possible, in part, by the financial support of the Cement Association of Canada.

These Standards were prepared by the Technical Committee on Cementitious Materials Compendium, under the jurisdiction of the Strategic Steering Committee on Construction and Civil Infrastructure, and have been formally approved by the Technical Committee.

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