

A179M-1976
**Mortar and Grout
for Unit Masonry**

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Mortar and Grout for Unit Masonry

The attached erratum applies to Clause C2.2.

September, 1977

Note: *This is gummed stock, moisten only where required.*

Clause C2.2—Revise the final entry of the legend in Clause C2.2 to read as follows:

d = mass of oven-dry mortar sample in grams

September, 1977
Erratum

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CSA STANDARD A179M-1976

**MORTAR AND GROUT FOR UNIT
MASONRY**



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CONTENTS

	Page
Committee on Masonry Mortars	5
Preface	6
Reference Publications	6
STANDARD	
1. Scope	7
1.1 General	7
1.2 Classification	7
2. Definitions	7
3. General Requirements	7
3.1 General	7
3.2 Property Specifications	7
3.3 Proportion Specifications	7
3.4 Grouts	7
3.5 Qualifications	7
3.6 Test Results	7
4. Materials	7
4.1 General	7
4.2 Cementitious Materials	7
4.3 Aggregates	8
4.4 Water	8
4.5 Admixtures and Other Constituents	8
4.6 Antifreeze Compounds	8
4.7 Storage of Material	8
5. Measurement and Mixing	8
5.1 Measurement of Materials	8
5.1.1 General	8
5.1.2 Volume Measurement	8
5.1.3 Mass Measurement	9
5.2 Mixing Mortars and Grouts	9
5.3 Time Limit	9
5.3.1 Mortars	9
5.3.2 Grout	9
5.4 Re-tempering	9
6. Property Specifications	9
6.1 Mortar	9
6.2 Aggregate Ratio	9

6.3 Water Retention	10
6.4 Compressive Strength	10
7. Proportion Specifications	10
7.1 Mortar	10
7.2 Water Retention	11
8. Grout	11
8.1 Grout	11
8.2 Application of Coarse Grout	12
9. Methods of Testing	12
9.1 Water Retention	12
9.2 Compressive Strength	12
9.2.1 Compressive Strength of Laboratory Prepared Mortars ...	12
9.2.2 Compressive Strength of Job-Mixed Mortars	13
9.3 Testing Sand for Bulking	14
9.3.1 Sample Selection	14
9.3.2 Test Method	14
9.3.3 Adjusting for Bulking	14
9.3.4 Test Intervals	14
Appendix A — Cost of Tests	15
Appendix B — Compressive Strength Test for Grout	16
Appendix C — Test for Ratio of Aggregate to Cementitious Material in Fresh Mortar	18

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PREFACE

This is the first edition of CSA Standard A179M, Mortar and Grout for Unit Masonry, written in SI (Système International d'Unités).

This Standard is technically compatible to and can be used parallel with CSA Standard A179-1975. It has been prepared to accommodate metric conversion in Canada.

As well as covering mortars, materials and mixing, this edition also includes requirements for grout, which is now used extensively in Canadian construction.

This Standard was prepared by the Committee on Masonry Mortars under the jurisdiction of the Sectional Committee on Building Materials and Products and was formally approved by these Committees.

REXDALE, JUNE, 1976

NOTE: In order to keep abreast of progress in the industries concerned CSA Publications are subject to periodic review. Suggestions for improvement will be welcomed at all times. They will be recorded and in due course brought to the attention of the appropriate Committee for consideration.

Also, requests for interpretation will be accepted by the Committee. They should be worded in such a manner as to permit a simple "yes" or "no" answer based on the literal text of the requirement concerned.

All enquiries regarding this Standard should be addressed to Canadian Standards Association, 178 Rexdale Boulevard, Rexdale, Ontario M9W 1R3.

REFERENCE PUBLICATIONS

This Publication makes reference to the following and the year dates shown indicate the latest issues available at the time of printing:

CSA Standards A5M*,	Portland Cements;
A8M*,	Masonry Cements;
A82.42M*,	Quicklime for Structures;
A82.43M*,	Hydrated Lime for Masonry Purposes;
A82.56M-1976,	Aggregate for Masonry Mortar;
ASTM† Standards C404-70,	Blended Hydraulic Cements;
C595-74,	Aggregates for Masonry Grout.

*Under preparation.

†American Society for Testing and Materials.

A179M-1976

MORTAR AND GROUT FOR UNIT MASONRY

1. SCOPE

1.1 General. This Standard covers mortars and grouts for use in the construction of unit masonry structures.

1.2 Classification. Five types of mortars designated as Types M, S, N, O and K are covered, and two grouts designated as fine grout and coarse grout.

2. DEFINITIONS

2.1 The following definitions apply in this Standard:

Mortar means a cementitious material or materials, mixed with aggregate and water, proportioned to provide a material suitable for the bedding and jointing of masonry units;

Grout means a mortar of liquid consistency suitable for pouring or pumping into spaces provided for it, in masonry construction.

3. GENERAL REQUIREMENTS

3.1 General

3.1.1 Mortars of Types M, S, N, O and K shall be specified on, and the basis of acceptance shall be either the property specifications or the proportion specifications, but not both. Grouts shall be specified by proportions.

3.1.2 When not otherwise specified, the basis of acceptance shall be the proportion specification.

3.2 Property Specifications. Mortars specified under the property specifications shall comply with Clause 6 and all other Clauses of this Standard, except Clauses 7 and 8.

3.3 Proportion Specifications. Mortars specified under the proportion specifications shall comply with Clause 7 and all other Clauses of this Standard, except Clauses 6 and 8.

3.4 Grouts. Requirements for grouts are set forth in Clause 8.

3.5 Qualifications. The staff of testing laboratories undertaking the tests called for in this Standard shall be experienced in mortar testing procedures and shall have ready access to all the equipment required for the tests.

3.6 Test Results. The test results, and all pertinent data relating to the conduct and conditions of the tests, shall be included in the test report.

4. MATERIALS

4.1 General. Materials used as ingredients in the mortar or grout shall conform to the requirements set forth in Clauses 4.2 to 4.7.

4.2 Cementitious Materials. Cementitious materials shall conform to the requirements of CSA and ASTM Standards as follows:

- (a) **Normal Portland Cement** — CSA Standard A5M, Portland Cements;