

ASTM
STANDARDS
1952

1952 Book of
ASTM STANDARDS

Including
TENTATIVES
(A ~~Triennial~~ Publication)

PART 3

**Cement, Concrete, Ceramics,
Thermal Insulation, Road Materials,
Waterproofing, Soils**

FOREWORD

The Book of ASTM Standards, of which this is the 1952 edition, is a triennial publication, with Supplements issued in the intervening years. It contains the formally adopted ASTM Standards and the ASTM Tentative Specifications, Methods of Test, and Definitions.

Prior to this edition, the Book of Standards was issued in six parts. Today, with the extension of Society work into new fields, the 1952 edition of the Book of Standards comprises over 10,000 pages. To make this amount of material available in books of convenient size and not too bulky and heavy for binding, it was decided to print the standards on Bible paper and to publish the 1952 Book of Standards in seven parts, as follows:

Part 1—Ferrous Metals

Part 2—Non-Ferrous Metals

Part 3—Cementitious Materials, Refractories, Glass, Ceramics, Thermal Insulation. Concrete, Mortar, Stone, Building Units, Road Materials, Waterproofing, Roofing, Soils

Part 4—Paint, Naval Stores, Wood, Structural Sandwich Constructions, Building Constructions, Fire Tests

Part 5—Petroleum Products, Fuels, Industrial Aromatic Hydrocarbons, Engine Antifreezes

Part 6—Rubber, Plastics, Electrical Insulation

Part 7—Textiles, Soap, Water, Paper, Shipping Containers, Adhesives

In these seven parts are included the 1892 ASTM Standards and Tentatives in effect at the time of publication, exclusive of the 38 ASTM Methods of Chemical Analysis of Metals which appear in a separate publication bearing that title.

The annual Supplements to each part issued in the succeeding years will contain the newly adopted or revised Standards and new or revised Tentatives. These Supplements should be consulted for changes in status and for current revisions of Standards and Tentatives. The combined Index to ASTM Standards, issued annually, will also be helpful in this connection and in locating any desired standard.

Standards comprise those specifications and methods of test that have been formally adopted by the Society, requiring a letter ballot approval by the entire membership.

Tentatives have been approved by the sponsoring committee as representing the latest thoughts and practices and have been accepted by the Society in accordance with established procedures for use pending adoption as standard.

In accordance with Society regulations, standards that have been published for a period of six years or more without revision have been reviewed by the responsible technical committees prior to the appearance of the Book and have been reapproved in their present form.

Tentative Revisions appear at the end of the standard to which they apply. A list of the tentative revisions that apply to the standards in this book appears on p. xxiii. The Supplements to be issued in 1953 and 1954 should be consulted for revisions or change in status of any of these tentative revisions.

The appearance of this Book is a tribute to the sincere efforts of the technical committees responsible for the development and review of the standards, and of the many individuals serving on the committees. The Society's time-tested standardization procedure provides for adequate representation on technical committees of producers and consumers and those having a general interest in the material or subject in question. Opportunity is provided during the period of promulgation for full consideration by all interested parties through publication as tentative before adoption as standard. As developments and advances take place, requirements are suitably revised.

GUIDE TO THE USE OF THE BOOK OF STANDARDS

THE standards in this Book are assembled in a sequence determined by the specific materials or products to which they apply. The Table of Contents in each part is presented in duplicate—one a list of the standards classified according to the materials covered, the other a list of the standards in numeric sequence of their serial designations.

A subject index of the standards and tentatives in this part appears at the back of this volume (see page 1597). This index should be the most convenient means of locating any standard appearing in the volume, especially if only the general subject matter covered is known.

A separate combined Index, covering all standards and tentatives in the seven parts of the Book of ASTM Standards, in the annual Supplements thereto, and in the Book of ASTM Methods for Chemical Analysis of Metals, is also issued annually, which should be of convenience to all users of the Book of Standards. The combined Index will be revised annually to incorporate the latest references to the standards, whether they appear in the Book of Standards or in the 1953 or 1954 Supplements. This Index should be of convenience to all users of ASTM standards.

A numeric list with complete titles of the current standards and tentatives also appears with this Index.

Comments or suggestions intended to improve the utility of the Book of Standards will be welcome.

CONTENTS

BOOK OF ASTM STANDARDS, PART 3

Cement, Concrete, Ceramics, Thermal Insulation, Road Materials, Waterproofing, Soils¹

In the serial designations prefixed to the following titles, the initial letter, indicative of the general classification, and the first number are permanent. The number following the dash indicates the year of original issue as tentative or of adoption as standard, or, in the case of revision, the year of last revision. Thus, standards adopted or revised during the year 1952 have as their final number, 52. Tentatives are identified by the letter T.

In the following listing, the Standards and Tentatives are grouped according to materials to which they apply.

For Contents in Numeric Sequence, see p. xxv.

Tentative Revisions of Standards appear at the end of the Standard to which they apply.

A complete subject index appears on p. 1597.

CEMENT

Specifications for:

	PAGE
*C 150 - 52. Portland Cement	1
Tentative Revision of Specifications C 150	4
*C 175 - 51 T. Air-Entraining Portland Cement (Tentative)	6
C 205 - 51 T. Portland Blast-Furnace Slag Cement (Tentative)	9
C 10 - 37. Natural Cement	13
C 10 - 52 T. Natural Cement (Tentative)	15
*C 91 - 51. Masonry Cement	18
Tentative Revision of Specifications C 91	25
C 226 - 52 T. Air-Entraining Additions for Use in the Manufacture of Air-En- training Portland Cement (Tentative)	26
C 230 - 52 T. Flow Table for Use in Tests of Hydraulic Cement (Tentative)	34

Methods of Test for:

*C 185 - 50 T. Air Content of Hydraulic Cement Mortar (Tentative)	37
C 227 - 52 T. Alkali Reactivity, Potential, of Cement-Aggregate Combina- tions (Tentative)	44
*C 151 - 52. Autoclave Expansion of Portland Cement	52
Tentative Revision of Method C 151	55
C 243 - 52 T. Bleeding of Cement Pastes and Mortars (Tentative)	56
C 265 - 51 T. Calcium Sulfate in Hydrated Portland Cement Mortar (Ten- tative)	60
C 85 - 42. Cement Content of Hardened Portland-Cement Concrete	1079
*C 114 - 47. Chemical Analysis of Portland Cement	62
Tentative Revision of Methods C 114	99
*C 114 - 51 T. Chemical Analysis of Portland Cement (Tentative)	102

¹ See Supplements to be issued in 1953 and 1954 for revision or change in status of any of these standards or tentatives.

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Methods of Test for:

PAGE

C 267 - 51 T.	Chemical Resistance of Hydraulic Cement Mortars (Tentative)...	371
*C 109 - 52.	Compressive Strength of Hydraulic Cement Mortars.....	119
C 184 - 44.	Fineness of Hydraulic Cement by the No. 200 Sieve.....	126
C 204 - 51.	Fineness of Portland Cement by Air Permeability Apparatus.....	129
C 115 - 42.	Fineness of Portland Cement by the Turbidimeter.....	136
	Tentative Revision of Method C 115.....	144
*C 186 - 49.	Heat of Hydration of Portland Cement.....	145
	Tentative Revision of Method C 186.....	151
*C 187 - 49.	Normal Consistency of Hydraulic Cement.....	152
C 183 - 46.	Sampling Hydraulic Cement.....	155
C 228 - 49 T.	Sodium Oxide and Potassium Oxide in Portland Cement by Flame Photometry (Tentative).....	157
*C 189 - 49.	Soundness of Hydraulic Cement Over Boiling Water (Pat Test)..<	163
*C 188 - 44.	Specific Gravity of Hydraulic Cement.....	165
*C 190 - 49.	Tensile Strength of Hydraulic Cement Mortars.....	167
C 266 - 51 T.	Time of Setting of Hydraulic Cement by Gillmore Needles (Ten- tative).....	173
*C 191 - 52.	Time of Setting of Hydraulic Cement by Vicat Needle.....	176
C 229 - 52 T.	Time of Setting of Hydraulic Cement in Mortar (Tentative)....	180

Definitions of Terms Relating to:

C 219 - 51 T.	Hydraulic Cement (Tentative).....	183
---------------	-----------------------------------	-----

LIME

Specifications for:

C 5 - 26.	Quicklime for Structural Purposes.....	187
C 6 - 49.	Normal Finishing Hydrated Lime.....	189
C 206 - 49.	Special Finishing Hydrated Lime.....	191
C 207 - 49.	Hydrated Lime for Masonry Purposes.....	193
C 141 - 42.	Hydraulic Hydrated Lime for Structural Purposes.....	195
	Tentative Revision of Specifications C 141.....	200
C 45 - 25.	Quicklime and Hydrated Lime for Cooking of Rags in Paper Manufacture.....	201
C 46 - 27.	Quicklime for Sulfite Pulp Manufacture.....	203
C 47 - 27.	Hydrated Lime for Varnish Manufacture.....	205
C 48 - 24.	Quicklime and Hydrated Lime for Use in the Textile Industry...	207
C 49 - 42.	Quicklime and Hydrated Lime for Silica Brick Manufacture....	208
C 53 - 52 T.	Quicklime and Hydrated Lime for Water Treatment (Tentative)..<	210
C 258 - 52.	Quicklime for Calcium Carbide Manufacture.....	212
C 259 - 52.	Hydrated Lime for Grease Manufacture.....	213
C 35 - 52 T.	Inorganic Aggregates for Use in Interior Plaster (Tentative)....	214

Methods of:

C 50 - 27.	Sampling, Inspection, Packing, and Marking of Quicklime and Lime Products.....	217
C 25 - 47.	Chemical Analysis of Limestone, Quicklime, and Hydrated Lime..	221
C 110 - 49.	Physical Testing of Quicklime and Hydrated Lime.....	234
E 119 - 50.	<i>Fire Tests of Building Construction and Materials (see Part 4, p. 993).</i>	

Definitions of Terms Relating to:

C 51 - 47.	Lime.....	243
------------	-----------	-----

GYPSUM

Specifications for:

*C 22 - 50.	Gypsum.....	247
*C 28 - 50.	Gypsum Plasters.....	249
*C 59 - 50.	Gypsum Molding Plaster.....	252
*C 61 - 50.	Keene's Cement.....	254

* Approved as American Standard by the American Standards Association.

For Contents in Numeric Sequence, see p. xxv.

<i>Specifications for:</i>		PAGE
C 35 - 52 T.	Inorganic Aggregates for Use in Interior Plaster (Tentative).....	214
*C 36 - 50.	Gypsum Wall Board.....	256
*C 37 - 50.	Gypsum Lath.....	258
*C 79 - 50.	Gypsum Sheathing Board.....	260
C 52 - 41.	Gypsum Partition Tile or Block.....	262

Methods of:

*C 26 - 52.	Testing Gypsum and Gypsum Products.....	265
E 119 - 50.	Fire Tests of Building Construction and Materials (see Part 4, p. 993).	

Definitions of Terms Relating to:

C 11 - 50.	Gypsum.....	278
------------	-------------	-----

MAGNESIUM OXYCHLORIDE AND MAGNESIUM OXYSULFATE CEMENTS*Specifications for:*

C 276 - 51 T.	Magnesium Chloride (Tentative).....	283
C 277 - 51 T.	Magnesium Sulfate, Technical Grade (Tentative).....	284
C 275 - 51 T.	Oxychloride Magnesia (Tentative).....	285

Methods of Test for:

C 237 - 51 T.	Sampling Magnesia Oxychloride Compositions and Ingredients (Tentative).....	287
C 244 - 52.	Chemical Analysis of Magnesium Sulfate, Technical Grade.....	289
C 245 - 52.	Chemical Analysis of Magnesium Chloride.....	292
C 247 - 52.	Ignition Loss and Active Calcium Oxide in Magnesium Oxide for Use in Magnesium Oxychloride Cements.....	297
C 246 - 52.	Physical Testing of Magnesia for Magnesium Oxychloride Cements.....	301
C 238 - 51.	Sieve Analysis of Magnesium Oxychloride Compositions, Aggregates and Fillers.....	304
C 239 - 51.	Sieve Analysis of Plastic Calcined Magnesia.....	306
C 250 - 52.	Field Determination of Specific Gravity of Gauging Solutions for Magnesium Oxychloride Cements.....	308
C 251 - 52.	Mixing Magnesium Oxychloride Cement Compositions with Gauging Solution (for Preparation of Specimens for Laboratory Tests).....	310
C 255 - 52.	Consistency of Magnesium Oxychloride Cements by the Flow Table.....	314
C 249 - 52.	Slump Test for Field Consistency of Magnesium Oxychloride Cements.....	316
C 248 - 52.	Bulk Density of Magnesium Oxychloride Cements.....	318
C 252 - 52.	Linear Contraction of Magnesium Oxychloride Cements.....	320
C 253 - 52.	Linear Change of Magnesium Oxychloride Cements.....	323
C 254 - 52.	Setting Time of Magnesium Oxychloride Cements.....	328
C 256 - 52.	Flexural Strength of Magnesium Oxychloride Cements (Using Simple Bar with Two-Point or Single-Point Loading).....	332
C 257 - 52.	Compressive Strength of Magnesium Oxychloride Cements.....	337

ASBESTOS-CEMENT PRODUCTS*Specifications for:*

C 220 - 49 T.	Asbestos-Cement Flat Sheets (Tentative).....	345
C 221 - 49 T.	Asbestos-Cement Corrugated Sheets (Tentative).....	347
C 222 - 49 T.	Asbestos-Cement Roofing Shingles (Tentative).....	351
C 223 - 49 T.	Asbestos-Cement Siding Shingles and Clapboards (Tentative).....	356
C 296 - 52 T.	Asbestos-Cement Pressure Pipe (Tentative).....	360

* Approved as American Standard by the American Standards Association.

CHEMICAL-RESISTANT MORTARS

<i>Specifications for:</i>	<i>PAGE</i>
C 287 - 52 T. Sulfur Mortar (Tentative)	367
<i>Method of Test for:</i>	
C 267 - 51 T. Chemical Resistance of Hydraulic Cement Mortars (Tentative) . . .	371

MORTAR FOR UNIT MASONRY

<i>Specifications for:</i>	
C 144 - 52 T. Aggregate for Masonry Mortar (Tentative)	377
C 161 - 44 T. Mortar for Reinforced Brick Masonry (Tentative)	380
C 270 - 52 T. Mortar for Unit Masonry (Tentative)	383

MASONRY BUILDING UNITS**Brick**

<i>Specifications for:</i>	
*C 55 - 52. Building Brick, Concrete	389
C 62 - 50. Building Brick (Solid Masonry Units Made from Clay or Shale) . .	391
*C 73 - 51. Building Brick, Sand-Lime	396
C 216 - 50. Facing Brick (Solid Masonry Units Made from Clay or Shale) . . .	398
C 279 - 52 T. Masonry Units, Chemical-Resistant (Tentative)	402
C 126 - 52 T. Masonry Units, Glazed (Tentative)	441
*C 7 - 42. Paving Brick	405
C 32 - 50. Sewer Brick (Made from Clay or Shale)	412
<i>Methods of:</i>	
*C 67 - 50. Sampling and Testing Brick	414

Structural Tile and Filter Block

<i>Specifications for:</i>	
*C 34 - 52. Clay Load-Bearing Wall Tile, Structural	424
*C 56 - 52. Clay Non-Load-Bearing Tile, Structural	428
*C 57 - 52. Clay Floor Tile, Structural	431
C 212 - 52 T. Clay Facing Tile, Structural (Tentative)	434
C 126 - 52 T. Masonry Units, Glazed (Tentative)	441
C 52 - 41. Gypsum Partition Tile or Block	262
C 159 - 51. Filter Block, Vitrified Clay, for Trickling Filters	447
	Tentative Revision of Specifications C 159 449

<i>Methods of:</i>	
*C 112 - 52. Sampling and Testing Structural Clay Tile	450
E 119 - 50. Fire Tests of Building Construction and Materials (see Part 4, p. 993).	

Definitions of Terms Relating to:

C 43 - 50. Structural Clay Tile	454
	Tentative Revision of Definitions C 43 456

Concrete Masonry Units

<i>Specifications for:</i>	
*C 90 - 52. Concrete Masonry Units, Hollow Load-Bearing	457
*C 129 - 52. Concrete Masonry Units, Hollow Non-Load Bearing	459
*C 145 - 52. Concrete Masonry Units, Solid Load-Bearing	461
*C 139 - 39. Concrete Masonry Units for Construction of Catch Basins and Manholes	463
*C 55 - 52. Concrete Building Brick	389

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For Contents in Numeric Sequence, see p. xxv.

Methods of:

PAGE

*C 140 - 52.	Sampling and Testing Concrete Masonry Units.....	465
E 119 - 50.	Fire Tests of Building Construction and Materials (see Part 4, p. 993).	

PIPE AND DRAIN TILE

Specifications for:

*C 4 - 50 T.	Drain Tile (Tentative).....	471
C 13 - 50 T.	Clay Sewer Pipe, Standard Strength (Tentative).....	480
C 261 - 50 T.	Clay Sewer Pipe, Ceramic Glazed, Standard Strength (Tentative).....	484
C 200 - 50 T.	Clay Pipe, Extra Strength (Tentative).....	489
C 278 - 51 T.	Clay Pipe, Extra Strength Ceramic Glazed (Tentative).....	493
C 211 - 50.	Clay Pipe, Perforated, Standard Strength.....	498
C 14 - 52.	Concrete Sewer Pipe.....	502
	Tentative Revision of Specifications C 14.....	510
C 75 - 52.	Reinforced Concrete Sewer Pipe.....	512
	Tentative Revision of Specifications C 75.....	521
C 76 - 52.	Reinforced Concrete Culvert Pipe.....	523
	Tentative Revision of Specifications C 76.....	533
C 118 - 52.	Concrete Irrigation Pipe.....	535
	Tentative Revision of Specifications C 118.....	540

Methods of Testing:

C 301 - 52 T.	Clay Pipe (Tentative).....	541
---------------	----------------------------	-----

Recommended Practice for:

C 12 - 51 T.	Laying Sewer Pipe (Tentative).....	547
--------------	------------------------------------	-----

REFRACTORIES

Specifications for:

C 64 - 51.	Refractories for Heavy Duty Stationary Boiler Service.....	553
C 153 - 51.	Refractories for Moderate Duty Stationary Boiler Service.....	558
C 176 - 47.	Fireclay Plastic Refractories for Boiler and Incinerator Services.....	561
C 178 - 47.	Air-Setting Refractory Mortars (Wet Type) for Boiler and Incinerator Service.....	563
C 213 - 51.	Castable Refractories for Boiler Furnaces and Incinerators.....	565
C 106 - 51.	Refractories for Incinerators.....	567
C 63 - 51.	Refractories for Malleable Iron Furnaces with Removable Bungs and for Annealing Ovens.....	570
C 105 - 47.	Ground Fire Clay as a Mortar for Laying-Up Fireclay Brick.....	574
C 49 - 42.	Quicklime and Hydrated Lime for Silica Brick Manufacture.....	209

Classification of:

C 27 - 41.	Fireclay Refractories.....	576
C 155 - 47.	Insulating Fire Brick.....	578

Methods of Test for:

C 202 - 47.	Thermal Conductivity of Fireclay Refractories.....	579
C 38 - 52.	Basic Procedure in Panel Spalling Test for Refractory Brick.....	583
C 107 - 52.	Panel Spalling Test for High Duty Fireclay Brick.....	590
C 122 - 52.	Panel Spalling Test for Super Duty Fireclay Brick.....	592
C 180 - 52.	Panel Spalling Test for Fireclay Plastic Refractories.....	594
C 288 - 52 T.	Disintegration of Fireclay Refractories in an Atmosphere of Carbon Monoxide (Tentative).....	597
C 179 - 46.	Combined Drying and Firing Shrinkage of Fireclay Plastic Refractories.....	599
C 181 - 47.	Workability Index of Fireclay Plastic Refractories.....	601
C 198 - 47.	Bonding Strength of Air-Setting Refractory Mortar (Wet Type).....	604
C 199 - 47.	Refractoriness of Air-Setting Refractory Mortar (Wet Type).....	606

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For Contents in Numeric Sequence, see p. xxv.

<i>Methods of Test for:</i>		PAGE
C 268 - 51 T.	Modulus of Rupture of Castable Refractories (Tentative).....	608
C 269 - 51 T.	Permanent Linear Change on Firing of Castable Refractories (Tentative).....	611
C 182 - 47.	Thermal Conductivity of Insulating Fire Brick.....	614
C 93 - 46.	Crushing Strength and Modulus of Rupture of Insulating Fire Brick at Room Temperature.....	617
	Tentative Revision of Methods C 93.....	619
C 210 - 46.	Reheat Change of Insulating Fire Brick.....	620
C 16 - 49.	Refractory Brick Under Load at High Temperatures.....	623
C 24 - 46.	Pyrometric Cone Equivalent (P.C.E.) of Refractory Materials... ..	628
C 201 - 47.	Thermal Conductivity of Refractories.....	632
C 113 - 46.	Reheat Change of Refractory Brick.....	639
C 133 - 49.	Cold Crushing Strength and Modulus of Rupture of Refractory Brick and Shapes.....	641
C 134 - 41.	Size and Bulk Density of Refractory Brick.....	642
C 154 - 41.	Warpage of Refractory Brick and Tile.....	646
C 20 - 46.	Apparent Porosity, Water Absorption, Apparent Specific Gravity, and Bulk Density of Burned Refractory Brick.....	648
C 135 - 47.	True Specific Gravity of Refractory Materials.....	651
C 92 - 46.	Sieve Analysis and Water Content of Refractory Materials.....	654
C 18 - 52.	Chemical Analysis of Refractory Materials.....	657
<i>Definitions of:</i>		
C 71 - 51.	Refractories, Terms Relating to.....	682
	Tentative Revision of Definitions C 71.....	684
C 108 - 46.	Heat Transmission, Symbols for.....	685

CERAMIC WHITEWARE

<i>Definitions of Terms Relating to:</i>		
C 242 - 50 T.	Ceramic Whiteware (Tentative).....	691

PORCELAIN ENAMEL

<i>Methods of Test for:</i>		
C 282 - 51 T.	Acid Resistance of Porcelain Enamels (Tentative).....	695
C 283 - 51 T.	Boiling Acid Resistance of Porcelain Enameled Utensils (Tentative).....	700
C 284 - 51 T.	Impact Resistance of Porcelain Enameled Utensils (Tentative).....	705
C 285 - 52 T.	Sieve Analysis of Wet Milled and Dry Milled Porcelain Enamel (Tentative).....	709
<i>Definitions of Terms Relating to:</i>		
C 286 - 51 T.	Porcelain Enamel (Tentative).....	713

GLASS AND GLASS PRODUCTS

<i>Specifications for:</i>		
D 730 - 49.	Pin-Type Lime-Glass Insulators, Low and Medium Voltage (see Part 6, p. 1244).	
D 879 - 49.	Pin-Type Lime-Glass Insulators, Communication and Signal (see Part 6, p. 1300).	
<i>Methods of Test for:</i>		

C 146 - 43.	Chemical Analysis of Glass Sand.....	723
C 169 - 43.	Chemical Analysis of Soda-Lime Glass.....	729
C 158 - 43.	Flexure Testing of Glass (Determination of Modulus of Rupture).....	749
C 224 - 49 T.	Sampling of Glass Containers (Tentative).....	752
C 225 - 49 T.	Chemical Attack, Resistance to, of Glass Containers (Tentative).....	754
C 147 - 50.	Hydrostatic Pressure Test on Glass Containers.....	760
C 148 - 50.	Polariscopic Examination of Glass Containers.....	763
C 149 - 50.	Thermal Shock Test on Glass Containers.....	765

For Contents in Numeric Sequence, see p. xxv.

Methods of Test for:

PAGE

C 240 - 50 T.	Sampling and Testing Structural Non-Load Bearing Cellular Glass Blocks (Tentative).....	768
D 468 - 46.	Pin-Type, Lime-Glass Insulators (see Part 6, p. 1121).	
D 550 - 44.	Glass Spool Insulators (see Part 6, p. 1148).	
D 578 - 52.	Glass Yarn, Tests and Tolerances for (see Part 7, p. 388).	
D 886 - 49.	Glass Yarn, Compatibility with Insulating Varnish (see Part 7, p. 392).	
D 579 - 49.	Glass Fabrics, Woven, Tests and Tolerances for (see Part 7, p. 394).	
D 580 - 49.	Glass Tapes, Woven, Tests and Tolerances for (see Part 7, p. 399).	
D 581 - 49.	Glass Tubular Sleaving and Braids, Woven, Tests and Tolerances for (see Part 7, p. 397).	
D 1039 - 50 T.	Glass-Bonded Mica Used as Electrical Insulation (Tentative) (see Part 6, p. 1353).	

Definitions of Terms Relating to:

C 162 - 52.	Glass and Glass Products	770
-------------	--------------------------------	-----

THERMAL INSULATING MATERIALS

Specifications for:

C 193 - 48.	85 per cent Magnesite Thermal Insulating Cement.....	787
C 194 - 48.	Asbestos Thermal Insulating Cement.....	789
C 195 - 48.	Mineral Wool Thermal Insulating Cement.....	791
C 196 - 48.	Expanded or Exfoliated Vermiculite Thermal Insulating Cement.....	794
C 197 - 48.	Diatomaceous Silica Thermal Insulating Cement.....	797
C 262 - 51 T.	Mineral Wool Batt Insulation (Industrial Type) (Tentative)....	799
C 263 - 51 T.	Mineral Wool Blanket Insulation (Metal-Mesh Covered) (Industrial Type) (Tentative).....	801
C 264 - 51 T.	Mineral Wool Felt Insulation (Industrial Type) (Tentative)....	803
C 280 - 51 T.	Mineral Wool Blanket-Type Pipe Insulation (Tentative).....	805
C 281 - 52 T.	Mineral Wool Molded Type Pipe Insulation for Elevated Temperatures (Tentative).....	807
C 300 - 52 T.	Mineral Wool Molded Type Pipe Insulation for Low Temperatures (Tentative).....	810
C 298 - 52 T.	Cellular Asbestos Paper Thermal Insulation for Pipes (Tentative).....	813
C 299 - 52 T.	Laminated Asbestos Thermal Insulation for Pipes (Tentative)...	816
C 208 - 48.	Structural Insulating Board Made from Vegetable Fibers.....	818

Methods of Test for:

C 163 - 44.	Sampling and Mixing Thermal Insulating Cement.....	821
C 164 - 52.	Storage Density of Thermal Insulating Cement.....	823
C 165 - 45.	Compressive Strength of Preformed Block Type Thermal Insulation.....	825
	Tentative Revision of Method C 165.....	827
C 166 - 52.	Covering Capacity and Volume Change Upon Drying of Thermal Insulating Cement.....	828
C 303 - 52 T.	Density of Preformed Block Type Thermal Insulation (Tentative).....	831
C 302 - 52 T.	Density of Preformed Pipe Covering Type Thermal Insulation (Tentative).....	833
C 203 - 51.	Flexural Strength of Preformed Block Type Thermal Insulation..	835
C 209 - 48.	Structural Insulating Board Made from Vegetable Fibers.....	837
C 236 - 49 T.	Thermal Conductance and Transmittance of Built-Up Sections by Means of the Guarded Hot Box (Tentative).....	841
C 177 - 45.	Thermal Conductivity of Materials by Means of the Guarded Hot Plate.....	848
C 167 - 50.	Thickness and Density of Blanket Type Thermal Insulating Materials.....	857
C 304 - 52 T.	Vibration Resistance of Preformed Thermal Insulation for Pipes (Tentative).....	859
C 214 - 48 T.	Water Vapor Permeability of Sheet Materials Used in Connection with Thermal Insulation (Tentative).....	861

For Contents in Numeric Sequence, see p. xxv.

Definitions of Terms Relating to:

	PAGE
C 168 - 51. Thermal Insulating Materials	865

NATURAL BUILDING STONES*Methods of Test for:*

C 241 - 51. Abrasion Resistance of Stone Subjected to Foot Traffic	869
C 97 - 47. Absorption and Bulk Specific Gravity of Natural Building Stone ..	872
C 170 - 50. Compressive Strength of Natural Building Stone	875
C 99 - 52. Modulus of Rupture of Natural Building Stone	878
C 100. (<i>Modulus of Elasticity of Natural Building Stone</i>) <i>Discontinued.</i>	
C 102. (<i>Shear Testing of Natural Building Stone</i>) <i>Discontinued.</i>	
C 218 - 48 T. Temperature Cycles and Weak Salt Solutions, Combined Effect of on Natural Building Stone (Tentative)	88
D 273 - 40. <i>Conducting Paths in Electrical Slate (see Part 6, p. 1050).</i>	
C 217 - 48 T. Durability of Slate for Roofing (Tentative)	884
C 120 - 52. Flexure Testing of Slate (Modulus of Rupture, Modulus of Elasticity)	886
C 121 - 48. Water Absorption of Slate	889

Definitions of Terms Relating to:

C 119 - 50. Natural Building Stones	891
-------------------------------------------	-----

MINERAL AGGREGATES, CONCRETE, AND NONBITUMINOUS HIGHWAY MATERIALS

(See also Soils)

Aggregates*Specifications for:*

C 144 - 52 T. Aggregate for Masonry Mortar (Tentative)	377
C 33 - 52 T. Concrete Aggregates (Tentative)	897
C 130 - 42. Concrete Aggregates, Lightweight	902
D 448 - 49. Coarse Aggregate for Highway Construction, Standard Sizes	905
D 692 - 51 T. Crushed Stone, Crushed Slag, and Gravel for Bituminous Concrete Base and Surface Courses of Pavements (Tentative)	907
D 693 - 49. Crushed Stone and Crushed Slag for Bituminous Macadam Base and Surface Courses of Pavements	909
D 694 - 49. Crushed Stone, Crushed Slag, and Gravel for Water-Bound Macadam Base and Surface Courses of Pavements	912
D 1139 - 52 T. Crushed Stone, Crushed Slag, and Gravel for Single Bituminous Surface Treatment (Tentative)	914
D 1073 - 51 T. Fine Aggregate for Sheet Asphalt and Bituminous Concrete Pavements (Tentative)	916
*D 242 - 39. Mineral Filler for Sheet Asphalt and Bituminous Concrete Pavements	918
C 35 - 52 T. Inorganic Aggregates for Use in Interior Plaster (Tentative)	214
D 1001 - 51. Sieve Analysis of Granular Mineral Surfacing for Asphalt Roofing and Shingles	1201
D 1241 - 52 T. Soil - Aggregate Subbase, Base, and Surface Courses, Materials for (Tentative)	919
D 556 - 40 T. Stabilized Base Course, Materials for (Tentative)	922
D 557 - 40 T. Stabilized Surface Course, Materials for (Tentative)	924

Methods of Test for:

C 131 - 51. Abrasion of Coarse Aggregate by Use of the Los Angeles Machine.	926
D 289 - 46. Abrasion of Graded Coarse Aggregate by Use of the Deval Machine.	929
D 2 - 33. Abrasion of Rock by Use of the Deval Machine.	932
*C 117 - 49. Amount of Material Finer than No. 200 Sieve in Aggregates	933

* Approved as American Standard by the American Standards Association.

For Contents in Numeric Sequence, see p. xxv.

Methods of Test for:

	PAGE
*C 142 - 39. Clay Lumps in Aggregates.....	935
*C 123 - 44. Coal and Lignite in Sand.....	937
C 87 - 52. Mortar-Making Properties of Fine Aggregate, Measuring of.....	939
*C 40 - 48. Organic Impurities in Sands for Concrete.....	942
C 227 - 52 T. Potential Alkali Reactivity of Cement-Aggregate Combinations (Tentative).....	44
C 289 - 52 T. Potential Reactivity of Aggregates (Chemical Method) (Tentative).....	943
*D 75 - 48. Sampling Stone, Slag, Gravel, Sand, and Stone Block for Use as Highway Materials.....	949
*C 136 - 46. Sieve Analysis of Fine and Coarse Aggregates.....	954
*D 546 - 41. Sieve Analysis of Mineral Filler.....	957
D 451 - 40. Sieve Analysis of Granular Mineral Surfacing for Asphalt Roofing and Shingles.....	1350
D 452 - 40. Sieve Analysis of Nongranular Mineral Surfacing for Asphalt Roofing and Shingles.....	1353
C 235 - 49 T. Soft Particles in Coarse Aggregates (Tentative).....	959
*C 88 - 46 T. Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate (Tentative).....	961
*C 127 - 42. Specific Gravity and Absorption of Coarse Aggregate.....	967
*C 128 - 42. Specific Gravity and Absorption of Fine Aggregate.....	969
*C 70 - 47. Surface Moisture in Fine Aggregate.....	971
*D 3 - 18. Toughness of Rock.....	971
*C 29 - 42. Unit Weight of Aggregate.....	973
*C 30 - 37. Voids in Aggregate for Concrete.....	975
	7

Recommended Practice for:

C 295 - 52 T. Petrographic Examination of Aggregates for Concrete (Tentative).....	978
------------------------------------------------------------------------------------	-----

Definitions of Terms Relating to:

C 58 - 28. Sand.....	988
C 58 - 28 T. Aggregate (Tentative).....	989
C 125 - 48. Concrete and Concrete Aggregates.....	990
C 294 - 52 T. Constituents of Natural Mineral Aggregates, Descriptive Nomenclature (Tentative).....	992
*D 8 - 52. Materials for Roads and Pavements.....	999
	Tentative Revision of Definitions D 8.....
	1001
E 12 - 27. Specific Gravity.....	1594
E 13 - 42. Screen (Sieve).....	1593

Concrete

Specifications for:

*C 94 - 48. Ready-Mixed Concrete.....	1002
C 260 - 52 T. Air-Entraining Admixtures for Concrete (Tentative).....	1011

Methods of Test for:

*C 138 - 44. Air Content (Gravimetric), Weight per Cubic Foot, and Yield of Concrete.....	1094
C 173 - 42 T. Air Content (Volumetric) of Freshly Mixed Concrete (Tentative).....	1013
*C 231 - 52 T. Air Content of Freshly Mixed Concrete by the Pressure Method (Tentative).....	1017
C 233 - 52 T. Air-Entraining Admixtures for Concrete (Tentative).....	1024
C 232 - 49 T. Bleeding of Concrete (Tentative).....	1028
C 234 - 49 T. Bond Developed with Reinforcing Steel, Method for Comparing Concrete on the Basis of (Tentative).....	1030
*C 116 - 49. Compressive Strength of Concrete Using Portions of Beams Broken in Flexure (Modified Cube Method).....	1038
*C 39 - 49. Compressive Strength of Molded Concrete Cylinders.....	1040

* Approved as American Standard by the American Standards Association.

For Contents in Numeric Sequence, see p. xxv.

<i>Methods of Test for:</i>		PAGE
*C 31 - 49.	Concrete Compression and Flexure Test Specimens, Making and Curing in the Field.....	1042
C 192 - 52 T.	Concrete Compression and Flexure Test Specimens, Making and Curing in the Laboratory (Tentative).....	1046
E 119 - 50.	<i>Fire Tests of Building Construction and Materials (see Part 4, p. 993).</i>	
*C 78 - 49.	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading).....	1510
C 293 - 52 T.	Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading) (Tentative).....	1054
*C 124 - 39.	Flow of Portland-Cement Concrete by Use of the Flow Table.....	1057
C 290 - 52 T.	Rapid Freezing and Thawing in Water, Resistance of Concrete Specimens to (Tentative).....	1060
C 291 - 52 T.	Rapid Freezing in Air and Thawing in Water, Resistance of Concrete Specimens to (Tentative).....	1064
C 292 - 52 T.	Slow Freezing and Thawing in Water or Brine, Resistance of Concrete Specimens to (Tentative).....	1068
C 215 - 52 T.	Fundamental Transverse and Torsional Frequencies of Concrete Specimens (Tentative).....	1072
*C 42 - 49.	Hardened Concrete, Securing, Preparing, and Testing Specimens from, for Compressive and Flexural Strengths.....	1076
C 85 - 42.	Hardened Portland-Cement Concrete, Cement Content of.....	1079
	Tentative Revision of Method C 85.....	1081
*C 174 - 49.	Measuring Length of Drilled Concrete Cores.....	1082
C 172 - 52 T.	Sampling Fresh Concrete (Tentative).....	1084
C 143 - 52.	Slump of Portland-Cement Concrete.....	1086
C 157 - 52 T.	Volume Change of Cement Mortar and Concrete (Tentative).....	1088
*C 138 - 44.	Weight per Cubic Foot, Yield, and Air Content (Gravimetric) of Concrete.....	1094
 <i>Definitions of Terms Relating to:</i>		
C 125 - 48.	Concrete and Concrete Aggregates.....	990
 Brick and Block Pavement Materials		
<i>Specifications for:</i>		
*C 7 - 42.	Brick, Paving.....	405
*D 57 - 20.	Cement Grout Filler for Brick and Stone Block Pavements, Materials for.....	1097
*D 58 - 37.	Sand-Cement Bed for Brick and Block Pavements, Materials for.....	1099
*D 59 - 39.	Granite Block for Pavements.....	1101
	Tentative Revision of Specifications D 59.....	1102
*D 131 - 39.	Granite Block, Recut, for Pavements.....	1103
*D 132 - 39.	Granite Block for Durax Pavements.....	1105
D 52 - 20.	Wooden Paving Blocks for Exposed Pavements (see Part 4, p. 686).	
 Concrete Curing Materials, Expansion Joint Fillers		
<i>Specifications for:</i>		
*D 98 - 48.	Calcium Chloride.....	1107
D 1190 - 52 T.	Concrete Joint Sealer, Hot-Poured Elastic Type (Tentative).....	1164
D 994 - 48 T.	Preformed Expansion Joint Filler for Concrete (Bituminous Type) (Tentative).....	1166
D 544 - 49.	Expansion Joint Fillers, Preformed, for Concrete (Nonextruding and Resilient Types).....	1109
B 544 - 52 T.	Expansion Joint Fillers, Preformed, for Concrete (Nonextruding and Resilient Types) (Tentative).....	1112
*E 11 - 39.	Sieves for Testing Purposes.....	1543
*D 632 - 43.	Sodium Chloride.....	1114
	Tentative Revision of Specifications D 632.....	1115
C 171 - 49 T.	Waterproof Paper for Curing Concrete (Tentative).....	1116

* Approved as American Standard by the American Standards Association.

For Contents in Numeric Sequence, see p. xxv.

Methods of Test for:

	PAGE
*D 345 - 48. Calcium Chloride, Sampling and Testing of.....	1117
D 1191 - 52 T. Concrete Joint Sealers (Tentative).....	1303
D 545 - 49. Expansion Joint Fillers, Preformed, for Concrete (Nonextruding and Resilient Types).....	1121
C 156 - 52 T. Water Retention Efficiency of Liquid Membrane-Forming Compounds and Impermeable Sheet Materials for Curing Concrete (Tentative).....	1126

Cement*Specifications for:*

C 10 - 37. Natural Cement.....	13
C 10 - 52 T. Natural Cement (Tentative).....	15
*C 150 - 52. Portland Cement.....	1
*C 175 - 51 T. Portland Cement, Air-Entraining (Tentative).....	6
C 205 - 51 T. Portland Blast-Furnace Slag Cement (Tentative).....	9
C 230 - 52 T. Flow Table for Use in Tests of Hydraulic Cement (Tentative).....	34

Method of Test for:

C 227 - 52 T. Potential Alkali Reactivity of Cement-Aggregate Combinations (Tentative).....	44
---------------------------------------------------------------------------------------------	----

BITUMINOUS MATERIALS FOR HIGHWAY CONSTRUCTION, WATERPROOFING, AND ROOFING**Highway Construction Materials***Specifications for:*

D 946 - 47 T. Asphalt Cement for Use in Pavement Construction (Tentative).....	1133
*D 977 - 49. Asphalt, Emulsified.....	1135
	Tentative Revision of Specifications D 977.....
	1137
*D 598 - 46. Asphalt, Cut-Back (Medium Curing Type).....	1138
*D 597 - 46. Asphalt, Cut-Back (Rapid Curing Type).....	1140
D 241 - 43. Asphalt Filler for Brick Pavements.....	1142
*D 517 - 50. Asphalt Plank.....	1144
D 947 - 52 T. Asphaltic Concrete for Base and Surface Courses, Hot-Mixed, Hot-Laid (Tentative).....	1147
D 978 - 52 T. Asphaltic Mixtures for Sheet Asphalt Pavements (Tentative).....	1151
D 995 - 51. Bituminous Mixing Plant Requirements.....	1155
	Tentative Revision of Specifications D 995.....
	1159
*D 112 - 30. Coal-Tar Pitch for Stone Block Filler.....	1160
D 490 - 47. Tar.....	1161
D 1190 - 52 T. Concrete Joint Sealer, Hot-Poured Elastic Type (Tentative).....	1164
D 994 - 48 T. Preformed Expansion Joint Filler for Concrete (Bituminous Type) (Tentative).....	1166
D 544 - 49. Preformed Expansion Joint Fillers for Concrete (Nonextruding and Resilient Types).....	1109
D 544 - 52 T. Preformed Expansion Joint Fillers for Concrete (Nonextruding and Resilient Types) (Tentative).....	1112

Waterproofing and Roofing Materials*Specifications for:*

D 449 - 49. Asphalt for Dampproofing and Waterproofing.....	1168
D 312 - 44. Asphalt for Use in Constructing Built-Up Roof Coverings.....	1171
D 1227 - 52 T. Asphalt-Base Emulsions for Use as Protective Coatings for Built-Up Roofs (Tentative).....	1174
D 491 - 41. Asphalt Mastic for Use in Waterproofing (Asphalt Cement, Mineral Aggregate).....	1176
D 170 - 41. Bituminous Grout for Use in Waterproofing Above Ground Level.....	1178

* Approved as American Standard by the American Standards Association.

<i>Specifications for:</i>	PAGE
D 171 - 41. Bituminous Grout for Use in Waterproofing Below Ground Level.....	1180
D 450 - 41. Coal-Tar Pitch for Roofing, Dampproofing, and Waterproofing..	1182
D 654 - 49. Coal-Tar Pitch for Steep Built-Up Roofs.....	1185
D 173 - 44. Fabrics, Woven Cotton, Saturated with Bituminous Substances for Use in Waterproofing.....	1187
D 226 - 47. Felt, Roofing, Asphalt-Saturated, for Use in Waterproofing and in Constructing Built-Up Roofs.....	1190
D 227 - 47. Felt, Roofing, Coal-Tar Saturated, for Use in Waterproofing and in Constructing Built-Up Roofs.....	1193
D 250 - 47. Felts, Asbestos, Asphalt-Saturated, for Use in Waterproofing and in Constructing Built-Up Roofs.....	1196
D 655 - 47. Felts, Asbestos, Asphalt-Saturated and Coated, for Use in Constructing Built-Up Roofs.....	1198
D 1001 - 51. Granular Mineral Surfacing for Asphalt Roofing and Shingles, Sieve Analysis of.....	1201
D 41 - 41. Primer for Use with Asphalt in Dampproofing and Waterproofing	1202
D 43 - 41. Priming Coat, Creosote for, for Use with Coal-Tar Pitch in Damp-proofing and Waterproofing.....	1204
D 249 - 50 T. Roofing, Asphalt, Surfaced with Mineral Granules (Tentative)...	1206
D 224 - 52. Roofing, Asphalt, Surfaced with Powdered Talc or Mica.....	1210
D 371 - 51. Roofing, Asphalt, Wide Selvage, Surfaced with Mineral Granules.....	1213
D 225 - 51. Shingles, Asphalt, Surfaced with Mineral Granules.....	1216
D 699 - 51. Siding, Asphalt, Surfaced with Mineral Granules.....	1219
D 1226 - 52 T. Asphalt Insulating Siding Surfaced with Mineral Granules (Tentative).....	1222

Sieves

<i>Specifications for:</i>	
*E 11 - 39. Sieves for Testing Purposes (Wire Cloth Sieves, Round-Hole and Square-Hole Screens or Sieves).....	1543

Thermometers

<i>Specifications for:</i>	
E 1 - 52. ASTM Thermometers.....	1503

General

Methods of Test for:

*D 244 - 49. Asphalts, Emulsified.....	1224
Tentative Revision of Methods D 244.....	1236
D 1167 - 51 T. Asphalt-Base Emulsions for Use as Protective Coatings for Built-Up Roofs (Tentative).....	1237
D 228 - 48 T. Asphalt Roll Roofing, Cap Sheets, and Shingles (Tentative).....	1241
D 1228 - 52 T. Asphalt Insulating Siding Surfaced with Mineral Granules (Tentative).....	1248
*D 4 - 52. Bitumen.....	1255
D 165 - 42. Bitumen Soluble in Carbon Tetrachloride, Proportion of.....	1258
D 1010 - 49 T. Bituminous Emulsions for Use as Protective Coatings for Metal (Tentative) (see Part 4, p. 473).....	
D 1097 - 50 T. Bitumen Content of Paving Mixtures by Centrifuge (Tentative)...	1260
D 147 - 41. Bituminous Mastics, Grouts, and Like Mixtures.....	1263
D 313 - 41. Coarse Particles in Mixtures of Asphalt and Mineral Matter.....	1268
D 1074 - 52 T. Compressive Strength of Bituminous Mixtures (Tentative).....	1270
*D 402 - 49. Distillation of Cut-Back Asphaltic Products.....	1275
*D 86 - 52. Distillation of Gasoline, Naphtha, Kerosine, and Similar Petroleum Products.....	1280
*D 20 - 52. Distillation of Tar Products Suitable for Road Treatment.....	1286

* Approved as American Standard by the American Standards Association.

For Contents in Numeric Sequence, see p. xxv.