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Letter
Circular
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(Supersedes
LC 824)

STRUCTURAL CLAY PRODUCTS, STONE, AND MASONRY

Publications by Members of the Staff of the National Bureau of Standards, together with a list of Federal Specifications.

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GENERAL INFORMATION

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Serial letters are used to designate the several series of Bureau publications:

- S = "Scientific Paper." S1 to S329 are "Reprints" from the "Bulletin of the Bureau of Standards." S330 to S572 were published as "Scientific Papers of the Bureau of Standards." This series was superseded by the "Bureau of Standards Journal of Research" in 1928.
- T = "Technologic Paper." T1 to T370. This series was superseded by the "Bureau of Standards Journal of Research" in 1928.
- RP = "Research Paper." These are reprints of articles appearing in the "Bureau of Standards Journal of Research" and the "Journal of Research of the National Bureau of Standards," the latter being the title of this periodical since July 1934 (volume 13, number 1).
- BH = "Building and Housing" publication.
- BMS = "Building Materials and Structures" publication.
- C = "Circular."
- LC = "Letter Circular."
- R = "Simplified Practice Recommendation."

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Transmission of sound through building materials. V. L. Chrisler. Sci. Pap. BS <u>22</u> , 227 (1927-28)	S552	OP

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Compressive strength of large brick piers. J. C. Bragg. Tech. Pap. BS <u>11</u> , (1918-19).	T111	OP
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Compressive strength of steel columns incased in brick walls. A. L. Harris, A. H. Stang, and J. W. McBurney. BS J. Research <u>10</u> , 123 (1933).	RP520	5¢
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Some properties of heat-setting refractory mortars. R. A. Heindl and W. L. Pendergast. J. Research NBS <u>30</u> , (1943).	RP1534	5¢
Function of carbon dioxide in producing efflorescence on plaster and cement products. D. L. Bishop. J. Research NBS <u>30</u> , (1943).	RP1538	5¢
Ten-year tests of commercial masonry cements. R. L. Blaine. J. Research NBS <u>31</u> , (1943).	RP1548	5¢
Thermal expansion of concrete aggregate materials. W. H. Johnson and W. H. Parsons. J. Research NBS <u>32</u> , (1944).	RP1578	10¢

PART IV - CIRCULARS

Properties and manufacture of concrete building units.	C304	OP
Thermal Insulation of buildings.	C376	5¢
Low cost glazes for structural clay products.	C436	10¢

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(Free on application to Bureau)

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The fire resistance of brick walls - walls made of concrete or sand-lime brick.	LC229
Policy of the National Bureau of Standards with regard to tests for agencies outside the Bureau.	LC544
Painting exterior walls of porous masonry.	LC747
Finishes for concrete floors.	LC758
The care of floors.	LC764
Thermal insulation of dwelling houses.	LC774
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Dampness in basements and ground floors.	LC813
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Cement: Publications by members of the staff of the National Bureau of Standards.	LC851
Fire resistance and fire prevention. Publications by the staff of the National Bureau of Standards.	LC862
Dampness in masonry walls above grade.	LC865
Detergents and detergent aids.	LC868
Sound absorption coefficients of the more common acoustic materials.	LC870

PART V - LETTER CIRCULARS (Continued)

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List of published material relating to home building and maintenance.	LC 908
List of commercial standards, revised to January 1, 1948.	LC890
Publications relating to building codes and construction practice, home building--building materials, specifications--home maintenance.	LC891
List of Simplified Practice Recommendations. Revised to April 1, 1948.	LC895
Standards and specifications for building and construction materials, fixtures, supplies and equipment.	LC896

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		<u>Price</u>
Recommended minimum requirements for fire resistance in buildings. BH14 (1930).	BH14	OP
Care and repair of the home. BH15 (1931).	BH15	20¢
Recommended minimum requirements for small dwelling construction. BH18 (1932).	BH18	OP
Recommended minimum requirements for plumbing. (1932).	BH13	75¢

PART VII - BUILDING MATERIALS AND STRUCTURES

Structural properties of six masonry wall constructions. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1938).	BMS5	15¢
Structural properties of a "Tilecrete" floor construction sponsored by Tilecrete Floors, Inc., H. L. Whittemore, A. H. Stang, and C. C. Fishburn. (1939).	BMS16	10¢

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Sound insulation of wall and floor constructions with supplements. B. L. Chrisler. (1939).	BMS17	35¢
Structural properties of a concrete-block cavity-wall construction sponsored by the National Concrete Masonry Association. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1939).	BMS21	10¢
Structural properties of "Dun-Ti-Stone" Wall construction sponsored by the W. E. Dunn Manufacturing Company. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1939).	BMS22	10¢
Structural properties of a brick cavity-wall construction sponsored by the Brick Manufacturers Association of New York, Inc. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1939).	BMS23	10¢
Structural properties of a reinforced brick construction and a brick-tile cavity-wall construction sponsored by the Structural Clay Products Institute, H. L. Whittemore, A. H. Stang, and C. C. Fishburn. (1939).	BMS24	15¢
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Structural properties of two "Dunstone" wall constructions sponsored by the W. E. Dunn Manufacturing Co., H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1940).	BMS38	10¢
Structural properties of a wall construction of "Pfeifer Units" sponsored by the Wisconsin Units Company. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1940).	BMS39	10¢
Effect of heating and cooling on the permeability of masonry walls. C. C. Fishburn and P. H. Petersen. (1940).	BMS41	OP

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Structural properties of a masonry wall construction of "Munlock Dry Wall Brick." H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1940).	BMS53	10¢
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Moisture condensation in building walls. H. W. Worley. (1940).	BMS63	15¢
Effect of outdoor exposure on the water permeability of masonry walls. C. C. Fishburn, D. E. Parsons, and P. H. Petersen. (1941).	BMS76	15¢
Structural heat-transfer, and water permeability properties of five earth-wall constructions. H. L. Whittemore, A. H. Stang, E. Hubbell, and R. S. Dill. (1942).	BMS78	25¢
Water permeability of walls built of masonry units. C. C. Fishburn. (1942).	BMS82	25¢
Structural heat-transfer and water-permeability properties of "Speed-Brik" wall construction. M. H. Peck, V. B. Phelan, R. S. Dill, and P. H. Petersen. (1942).	BMS86	15¢
A method of developing specifications for building construction. (Report of Sub-committee on Specifications, Central Housing Committee on Research, Design, and Construction.) (1942).	BMS87	15¢

PART VII - BUILDING MATERIALS AND STRUCTURES (Continued)

	<u>Series</u>	<u>Price</u>
Water permeability and weathering resistance of stucco-faced gunite-faced, and "Knap Concrete-Unit" walls. C. C. Fishburn. (1942).	BMS94	10¢
Tests of cement-water paints and other water-proofings for unit-masonry walls. C. C. Fishburn and D. E. Parsons. (1943).	BMS95	25¢
Properties of a porous concrete of cement and uniform-sized gravel. P. H. Petersen. (1943).	BMS96	10¢
Physical properties of terrazzo aggregates. D. W. Kessler, A. Hockman, and R. E. Anderson. (1943).	BMS98	15¢
Relative slipperiness of floor and deck surfaces. P. A. Sigler. (1943).	BMS100	10¢
Strength and resistance of corrosion of ties for cavity walls. C. C. Fishburn. (1943).	BMS101	10¢
Measurement of heat losses from slab floors. R. S. Dill, W. C. Robinson, and H. E. Robinson. (1945).	BMS103	10¢
Paint manual with particular reference to Federal Specifications. P. H. Walker and E. F. Hickson. (1945).	BMS105	\$1.00
Laboratory observations of condensation in wall specimens. R. S. Dill and H. V. Cottony. (1946).	BMS106	OP
Building code requirements for new dwelling construction. (1946).	BMS107	20¢
Paints for exterior masonry walls. Clara Sentel. (1947).	BMS110	15¢
Strength of houses; application of engineering principles to structural design. H. L. Whittemore, J. B. Cotter, A. H. Stang, and V. B. Phelan. (1948).	BMS109	\$1.50

PART VIII - MISCELLANEOUS PUBLICATIONS

American Standard building code requirements for masonry. (1944).	MI74	15¢
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PART IX - SIMPLIFIED PRACTICE RECOMMENDATIONS

	<u>Series</u>	<u>Price</u>
Vitrified paving brick	R1-40	5¢
Metal lath. (Expanded and sheet)	R3-44	5¢
Brick, common; rough and smooth face	R7	5¢
Hollow building tile	R12	*
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Clay tiles for floors and walls	R61-44	10¢
Clay sewer pipe and fittings	R211-45	10¢

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HH-M-611	5¢	Mortar: air-setting, refractory, bonding (wet and dry types)
HH-R-191	5¢	Refractories; fire-clay, plastic
QQ-B-71	5¢	Bars; reinforcement, (for) concrete
QQ-B-101	5¢	Bases, metal; (for) plaster and stucco construction
SS-B-656	5¢	Brick; building (common), clay
SS-B-663	5¢	Brick; concrete
SS-B-671	5¢	Brick; paving
SS-B-681	5¢	Brick; sand-lime
SS-B-691	5¢	Brick; sewer, clay

PART X - FEDERAL SPECIFICATIONS (Continued)

SS-C-158	15¢	Cements, hydraulic; general specifications (methods for sampling, inspection, and testing)
SS-C-161	5¢	Cement; Keene's
SS-C-181	5¢	Cement; masonry
SS-C-192	5¢	Cements; portland
SS-C-621	5¢	Concrete-Units; masonry; hollow
SS-L-351	5¢	Lime; hydrated (for) structural purposes
SS-L-361	5¢	Lime; hydraulic, hydrated
SS-P-351	5¢	Pipe; asbestos-cement
SS-P-361	5¢	Pipe; clay, sewer
SS-P-371	5¢	Pipe; concrete; non-pressure, non-reinforced and reinforced
SS-P-402	5¢	Plaster; gypsum
SS-P-431	5¢	Plaster-Board; gypsum
SS-Q-351	5¢	Quicklime; (for) structural purposes
SS-S-284	5¢	Sheets (corrugated) and Shapes; cement-asbestos
SS-S-291	5¢	Shingles; roofing, cement-asbestos
SS-S-346	5¢	Siding; cement-asbestos
SS-S-451	5¢	Slate; roofing
SS-T-310	5¢	Tile, drain; clay
SS-T-316	5¢	Tile; partition, gypsum
SS-T-321	5¢	Tile; structural, clay, floor
SS-T-341	5¢	Tile; structural, clay, load-bearing, wall
SS-T-351	5¢	Tile; structural, clay, non-load-bearing
SS-W-51	5¢	Wallboard, gypsum
TT-C-598	5¢	Compound, caulking; plastic (for masonry and other structures)

PART XI - OUTSIDE PUBLICATIONS

The articles listed below are not for distribution or sale by the Government, but may be consulted at most large libraries or in some cases may be purchased directly from the publishers.

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