

TESTING FORUM

Committee C-1 News

Blended Hydraulic Cement Specification Revised

Since the beginning of the energy crunch in the early 1970s, Subcommittee C01.12 on Blended Cements, a unit of Committee C-1 on Cement, has worked to make the manufacture of cement a less energy-intensive process by increasing the amount of slag and fly ash permitted in C 595, the ASTM Specification for Blended Hydraulic Cements. The most recent revision to the standard, approved earlier this year, includes pozzolan-modified portland cement, a new type of cement that contains up to 15% fly ash or other pozzolans and is designated Type I (PM). The subcommittee is also considering the inclusion of a new type of slag-containing portland cement, that would be designated Type I (SM) and would contain up to 25% slag. According to Geoffrey Frohnsdorff of the National Bureau of Standards' Center for Building Technology, the new blends could be substituted for Type I portland cement for nearly every application. Although the blends might be a little slower in developing strength, he explains, the difference would probably not be significant for the composition ranges specified in the document. Frohnsdorff is chairman of the C01.12 task group responsible for recommending changes to C 595.

Upcoming Meetings

Three C-1 meetings are planned over the next year: 12-14 December 1979 during the Society's Committee Week in San Diego; 25-27 June 1980 during the Chicago Committee Week, and 10-12 December 1980 during the Committee Week in Orlando, Fla. Anyone wishing more information about the meetings may contact Kenneth C. Pearson of the ASTM Standards Development Division, 1916 Race St., Philadelphia, Pa. 19103 (215/299-5520).

Committee C-9 News

New Concrete Testing Publication Available

A new C-9 publication, *Significance of Tests and Properties of Concrete and Concrete-Making Materials* (STP 169B), is now available from ASTM. The manual, which includes 50 chapters in 882 pages, covers a wide variety of properties and testing and sampling techniques for concrete, concrete aggregates, and related materials. It was produced by a special C-9 subcommittee, which organized the subject matter, selected the authors, and reviewed the papers. Anyone wishing ordering information may contact ASTM's Sales Service Department, 1916 Race St., Philadelphia, Pa. 19103 (215/299-5450).

Call for Papers

Papers are sought for an ASTM symposium, sponsored by C-9 and entitled "Durability for Concrete." The symposium will take place during the Society's December 1980 Committee Week in Orlando, Fla. The program is intended to provide an opportunity to discuss the latest findings and current technology relating to the durability of portland cement concrete or concrete containing fly ash, fibers, slag, or blended cement. Areas of interest range from abrasion and freeze-thaw durability to marine and sulfate resistance.

Prospective authors should submit abstracts of approximately 200 words and an ASTM paper offer form by 21 December 1979 to Kathleen Greene, ASTM Publications Division, 1916 Race St., Philadelphia, Pa. 19103 (215/299-5414). Offer forms may be obtained from Greene. The symposium chairperson is Dr. Ludmila M. M. Dolar-Mantuani, Postal Station W, P.O. Box 184, Toronto, Ont. M6M 4Z2 (416/965-1337 or 248-8590). Publication of the symposium proceedings by ASTM is anticipated.

Upcoming Meetings

C-9 meetings will be taking place 10-12 December 1979 at the San Diego Committee Week, 23-25 June at the Chicago Committee Week, and 8-10 December 1980 at the Committee Week in Orlando, Fla. The contact for additional information is Kenneth C. Pearson, ASTM Standards Development Division, 1916 Race St., Philadelphia, Pa. 19103 (215/299-5520).

PCA Continuing Education

Twelve technical or nuclear-related courses will be offered by the Portland Cement Association through June of 1980 at the association's Cement and Concrete Center in Skokie, Ill. The course titles and registration fees are listed below; anyone wishing further information should contact PCA's Educational Services Department, 5420 Old Orchard Rd., Skokie, Ill. 60077 (312/966-6200).

10-14 Dec. 1979—Level I Inspection Technician (Nuclear), \$650

14-16 Jan. 1980—Concrete for Nuclear Applications I: Fundamentals and Quality Control Practices, \$350

16-18 Jan.—Concrete for Nuclear Applications II: Understanding and Implementing the Quality Assurance Function, \$350

28 Jan.-1 Feb.—Level II Inspector (Nuclear), \$650

11-15 Feb.—Concrete for the Field Supervisor, \$550

4-6 March—Controlling Concrete Quality in Production and Construction, \$400

10-14 March—Advanced Concrete Technology, \$550

18-20 March—Soil-Cement Short Course, \$350

24-28 March—Basic Concrete and Related Field Practice, \$350

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31 March-2 April—Fundamentals of Quality Concrete for Precasters, \$350

12-23 May—Concrete for the Authorized Nuclear Inspector, \$1000

28-30 May—Level III Examination Preparation (Nuclear), \$400

Concrete Scholarship Available

A scholarship for graduate study in the field of concrete is available from the American Concrete Institute. The scholarship is open to any student who is completing studies for a bachelor's degree or has a bachelor's degree from an accredited engineering program, and who is accepted for graduate study in concrete involving design, materials, construction, or a combination of these areas at a recognized university or college. The deadline for applications is 4 January 1980; anyone wishing more informa-

tion may contact ACI's Education Department, P.O. Box 19150, Detroit, Mich. 48219 (313/532-2600).

World of Concrete Conference and Exposition

"The World of Concrete '80," an international exposition and conference on concrete construction, will take place 2-6 March 1980 at the Las Vegas Convention Center. The program, which is sponsored by *Concrete Construction Magazine* and 15 technical associations in the concrete field, will include a trade show, 38 seminars, a series of live demonstrations of construction techniques, and a concrete film festival, as well as social activities and a spouses' program. Those wishing further information should contact World of Concrete, 329 Interstate Rd., Addison, Ill. 60101. A reduced rate will apply to registrations received before 1 February.

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Cement, Concrete, and Aggregates

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ASTM Committee C-1 on Cement

Scope

The development of specifications, methods of test, recommended practices, and definitions of terms for hydraulic cements, including portland, natural, pozzolanic, masonry, and slag cements, and modifications of the foregoing, and combinations during manufacture thereof; the investigation of the properties of hydraulic cements and the promotion of improvement and Uniformity of testing of these materials; joint sponsorship, with ASTM Committee C-9 on Concrete and Concrete Aggregates, of the Cement and Concrete Reference Laboratory, a cooperative project of the Government and ASTM.

Officers

Chairman: H. H. Newlon, Jr., Virginia Highway Research Council, Box 3817, University Station, Charlottesville, Va. 22903

Vice-Chairman: J. L. Goetz, Southwestern Portland Cement Co., 3055 Wilshire Blvd., Los Angeles, Calif. 90010

Secretary: J. W. Meusel, Atlantic Cement Co., Inc., P.O. Box 3, Ravena, N.Y. 12143

Technical Assistant: J. R. Dise, National Bureau of Standards, Washington, D.C. 20234

ASTM Committee C-9 on Concrete and Concrete Aggregates

Scope

The assembling and study of data pertaining to the properties of portland cement concrete and its constituent materials, including the study of effect of characteristics of materials and mixtures upon the properties of concrete; the development of methods of test for concrete and for the constituent materials of concrete (except cement), as well as for certain related materials, such as materials used in curing; the formulation of standard specifications for the constituent materials of concrete (except cement) and for concrete itself (subject to suitable interpretation of the term "concrete"). The scope of Committee C-9 does not include the field of design and construction of concrete structures except insofar as references need to be made to construction methods in special cases of concrete as "over-the-counter" materials.

Officers

Chairman: R. E. Philleo, Office of the Chief of Engineers, att: DAEN-CWE, Engrg. Div., Civil Works, Washington, D.C. 20314

Vice-Chairman: R. C. Mielenz, Master Builders Div., Martin Marietta Corp., 2490 Lee Blvd., Cleveland, Ohio 44118

Secretary: V. M. Malhotra, Canada Center for Mineral and Energy Technology, 405 Rochester St., Ottawa, Ont. k1A 0G1

Membership Secretary: H. K. Eggleston, National Slag Association, 300 S. Washington St., Alexandria, Va. 22314