

# COMMITTEE C12 ON MORTARS & GROUTS FOR UNIT MASONRY



75TH ANNIVERSARY CELEBRATION · 1931 – 2006



WEDNESDAY, DECEMBER 6 · ATLANTA, GEORGIA





COMMITTEE C12  
ON MORTARS  
& GROUTS  
FOR UNIT  
MASONRY

## 75th Anniversary Dinner

December 6, 2006  
Atlanta, Georgia



*75 Years of Service to Public,  
Government and Industry*

### **ASTM Committee C12 75th Anniversary Celebration**

It is a distinct pleasure on behalf of Committee C12 on Mortars and Grouts for Unit Masonry to welcome you to this culminating event of our 75th Anniversary celebration. Our celebration began this past June as the joint masonry symposium sponsoring Committees, ASTM Committee C01 on Cement, Committee C07 on Lime, and C15 on Manufactured Masonry Units dedicated the 11th ASTM Masonry Symposium to Committee C12 in commemoration of this milestone. That was a great way to kickoff our anniversary celebration. This banquet and program is a great way to complete it.

We would be remiss indeed if we did not recognize the hard work and contributions that have gone into preparing for this event. Dr. John H. Matthys, Chairman of the C12 Anniversary Committee, and members of that committee spent countless hours and participated in numerous conference calls in planning, soliciting sponsors, developing memorabilia, and finalizing preparations for this evening. Their efforts have resulted in the excellent program we have tonight. And it should be noted that the generosity of our sponsors has enabled us to actually implement the concepts developed by the Anniversary Committee into our proceedings. Finally, as anyone who has been active in ASTM knows; nothing would ever get done in ASTM without the capable guidance and support of ASTM staff. This Anniversary banquet is no exception. So we have many people to thank, including each of you, who have made this event part of your busy schedule.

Our 75th Anniversary offers a unique opportunity to reflect on our past, enjoy the relationships and activities that are the present, and contemplate potential future developments. These will all be components of the outstanding program the C12 Anniversary Committee have organized for this evening. It is our hope that the program will provide you with a sense of the heritage our committee enjoys, its unique focus in standards development activities, the culture, and the people who have contributed to that heritage. It is also our hope that you have a great evening!

**John Melander**  
*C12 Chairman*



# COMMITTEE C12 ON MORTARS & GROUTS FOR UNIT MASONRY

The scope of the Committee shall be the formulation of standards specifications, test methods, terminology, practices, guides, and the promotion of knowledge relating to the use of mortars and grouts with masonry units of fired clay or shale, sand-lime, concrete, stone & other similar materials, except refractories.

## C12 – 75th Anniversary Program

### Welcome

John Melander, C12 Chairman

### Recognitions

- ® Members of Anniversary Committee
- ® Anniversary Sponsors
- ® Officers and Staff Managers, Past & Present
- ® Award of Merit Recipients
- ® Honorary Members
- ® Walter Voss Award Recipients
- ® John H. Matthys, Anniversary Committee Chair

### Dinner

#### Soup

Garden Ripe Tomato Soup with Vermicelli

#### Dinner

Filet of Beef and Atlantic Salmon with Truffle Mashed Potatoes and Sautéed Seasonal Vegetables

*Red and White Wine will be served with dinner*

#### Dessert

Anniversary Cake with Coffee and Tea

### Review of the Past 75 Years

John Melander, C12 Chairman

### Comments by the 2006 ASTM Chairman of the Board

Anthony E. Fiorato

### C12 “Reflections”

John Heslip – Retired – Past Executive Director,  
Masonry Institute of Michigan and President, NCMA

Colin Munro – Chartered Masonry Consultant

Jerry Painter – President, Painter Masonry Inc.

### C12 Committee J. Ivan Davison Memorial Award

### Closing Remarks

John H. Matthys

## Anniversary Committee Members

John H. Matthys, Chairman  
 J. Gregg Borchelt  
 Joe Brisch  
 Jim Hicks  
 Rashod Johnson  
 Lynn Lauersdorf  
 John Melander  
 James Nicholos  
 Kevin Shanahan  
 John Speweik  
 Bob Thomas  
 Margaret Thomson

## 2006 Officers of Committee C12

John Melander, Chairman  
 Joseph H. Brisch, First Vice Chairman  
 Robert L. Nelson, Second Vice Chairman  
 Rashod R. Johnson, Recording Secretary  
 Brian Trimble, Membership Secretary  
 Kevin Shanahan, Staff Manager



## Committee C12 Officers and Staff, 1931 - 2006

### Chairmen

1931-1935 R. E. Davis  
 1937-1944 J. W. McBurney  
 1944-1950 T. I. Coe  
 1950-1954 J. M. Hardesty  
 1954-1960 R. E. Copeland  
 1960-1966 H. C. Plummer  
 1966-1970 M. H. Allen  
  
 1970-1976 J. I. Davison  
  
 1976-1982 J. A. Heslip  
 1982-1988 J. H. Matthys  
 1988-1994 H. C. MacDonald  
 1994-1998 E. G. Hedstrom  
 1998-2003 L. R. Lauersdorf  
 2004- J. M. Melander

### First Vice Chairmen

1979-1980 L. G. Bricker  
 1980-1984 K. A. Gutschick  
 1984-1990 D. A. Wakefield  
 1990-1992 J. H. Matthys  
 1992-1994 E. G. Hedstrom  
 1994-1998 L. R. Lauersdorf  
 1989-2003 J. M. Melander  
 2004- J. H. Brisch

### Second Vice-Chairmen

1979-1980 K. A. Gutschick  
 1980-1981 H. C. Fischer  
 1981-1984 S. G. Lowry  
 1984-1990 Lynn R. Lauersdorf  
 1990-1992 J. H. Brisch  
 1992-1998 J. M. Melander  
 1998-2003 J. H. Brisch  
 2004- R. L. Nelson

### Secretaries

1931-1932 Vacant  
 1932-1935 F. Leo Smith  
 1937-1948 H. C. Plummer  
 1948-1949 J. A. Lee  
 1949-1952 H. C. Plummer  
 1952-1956 J. A. Murray  
 1956-1962 C. U. Pierson, Jr.  
 1962-1968 H. T. Toennies  
 1968-1974 E. G. Hedstrom  
 1974-1980 J. C. Grogan  
 1980-1986 B. E. Powell  
 1986-1992 J. M. Melander  
 1992-1998 J. H. Brisch  
 1998-2000 M. G. Verlaque

### Recording Secretaries

2000-2003 J. K. Hicks

2004 - G. L. Haas

### Membership Secretaries

1979-1982 J. T. Conway  
 1982-1990 R. O. Hedstrom  
 1990-1995 W. A. Laska  
 1996-2001 R. D. Thomas  
 2002 - B. E. Trimble

### Staff Managers

1937-1943 R.E. Hess  
 1944-1945 M.D. Huber  
 1946-1956 L.C. Gilbert  
 1957-1958 M.D. Huber  
 1959-1962 L.C. Gilbert  
 1963-1970 W.A. Whittier  
 1971-1975 G.O. Atkinson  
 1976-1988 J.A. Dwyer  
 1989-1992 J.E. Vowell  
 1993-1994 L.A. Sellstedt  
 1995-1997 L.A. Kelly  
 1998 C.L. Vogel  
 1999-2000 M. Long  
 2001-2002 B. Noe  
 2003-2004 L. Morrissey  
 2005- K. Shanahan

## C12 Awards

### Awards of Merit

Established in 1949 by the ASTM International Board of Directors and is the highest society award granted to an individual member for distinguished service and outstanding participation in ASTM International Committee activities.

Theodore I. Coe .....1958  
 Harry C. Plummer .....1960  
 Percy L. Rogers ..... 1961  
 Ronald E. Copeland .....1963  
 Malcolm H. Allen .....1967  
 Henry C. Toennies ..... 1973  
 Albert W. Isberner, Jr. ....1979  
 John A. Heslip .....1982  
 John T. Conway .....1988  
 Lynn R. Lauersdorf .....1992  
 John H. Matthys .....1993  
 Jacob W. Ribar .....1996  
 Charles E. Buchanan .....1997  
 John M. Melander ..... 2000  
 Robert L. Nelson .....2001  
 Joseph H. Brisch ..... 2003  
 Diane B. Throop ..... 2004  
 Brian Trimble ..... 2005  
 Craig Walloch ..... 2006

### Honorary Members

Individuals recognized for 20 years or more of outstanding service to committee C12. Members are lifetime members of the committee.

Albert W. Isberner .....1997  
 Albert A. Tomassetti ..... 2002  
 John H. Matthys ..... 2003  
 Tim Conway ..... 2004  
 Hank C. Fischer ..... 2004  
 Lynn R. Lauersdorf ..... 2004  
 Colin C. Munro ..... 2005

J. Gregg Borchelt ..... 2005  
 Robert L. Nelson ..... 2006

### Walter C. Voss Societal Award

An award presented to an engineer or scientist, inside or outside the Society, who has contributed notably to the knowledge in the field of building technology with emphasis on materials used which constitute significant advances or innovations.

Albert W. Isberner .....1985

# SUBCOMMITTEES

## **C12.02 on Research and Methods of Test — Formed in 1937 as Methods of Test Sub.**

### **SCOPE:**

Report on new research studies appearing in the literature, design and conduct research studies and develop test methods for masonry mortars.

### **STANDARDS:**

C780, C1019, C1148, C1324, C1403

## **C12.03 on Specifications for Mortars — Formed in 1938**

### **SCOPE:**

Responsible for specifications for mortar for unit masonry. The subcommittee scope includes two standards: (1) ASTM Designation C 270 on Mortar for Unit Masonry, and (2) ASTM Designation C 476 on Mortar and Grout for Reinforced Masonry. The scope does not include aggregates for mortar and grout. Since subcommittee C12.03 deals with product specifications, our balance is in favor of user, consumer and general interest memberships.

### **STANDARDS:**

C270, C1142, C1586, C1384

## **C12.04 on Specifications for Aggregates for Mortars — Formed in 1938 as Sand for Mortar Sub.**

### **SCOPE:**

To provide specifications for aggregates

to be used in Masonry Mortars and in Grout for reinforced Masonry.

### **STANDARDS:**

C144, C404

## **C12.05 on Grout and Grout Admixtures for Masonry — Formed in 1990**

### **SCOPE:**

Responsible for specifications for grout and grout admixtures for unit masonry. The scope does not include aggregates for grout. Because Subcommittee C12.05 deals with product specifications, balance or in favor on consumer and general interest membership.

### **STANDARDS:**

C476

## **C12.06 on Surface Bonding — Formed in 1973**

### **SCOPE:**

To acquire all available information on surface bonding and to develop specifications and classifications applicable for surface bonding materials and construction

### **STANDARDS:**

C887, C946

## **C12.07 Laboratory Accreditation — Joint with C15.07 — Formed in 1979**

### **SCOPE:**

To describe the physical and personnel

requirements of testing facilities/agencies engaged in inspections and testing materials, composites and practices throughout and for the masonry industry, especially in the area of Masonry Mortars for Unit Masonry.

### **STANDARDS:**

C1093

## **C12.08 on Terminology — Joint with C15.08 — Formed in 1987**

### **SCOPE:**

To establish and clarify definitions and notations for use by Committee C12.

### **STANDARDS:**

C1180, C1232

## **C12.90 Executive — Formed in 1937 as the Advisory Sub.**

### **SCOPE:**

To give the committee executive direction

## **C12.91 on Editorial — Formed in 1978**

### **SCOPE:**

To review with the intent of perfecting in accordance with ASTM policy, the grammatical style of all standards emanating from within Committee C-12. Editorial review will occur optionally prior to submittal of any action to letter ballot, during letter balloting and on an annual basis for all existing standards.

## **C12.92 Symposia — Formed in 1972**

### **SCOPE:**

To coordinate symposia on specific subjects dealing with the Committee C12 scope. Symposia activities are coordinated with other related ASTM committees and organizations as appropriate.

## **C12.96 on Awards — Formed in 1957 as Award of Merit Sub.**

### **SCOPE:**

To remain abreast of the contributions and participation of the individual membership of ASTM Committee C12 on Mortars for Unit Masonry and to recommend to the Society through the Executive Subcommittee of C12 that individual member(s) be recognized for their noteworthy contributions in the direction of awards available through the Society.

## **C12.98 on Planning — Formed in 1982 as Long Range Planning Sub.**

### **SCOPE:**

The Long Range Planning Subcommittee, C12.98 is responsible for planning, development, promotion innovation, and public relation requirements for Committee C12. Specifically 12.998 is responsible for updating C12's long



## Fifteen Standards Developed by C12

*(1939) Year Originally Published*

### **C144 –04 (1939)**

Standard Specification for Aggregate for Masonry Mortar

### **C270 -05a (1947)**

Standard Specification for Mortar for Unit Masonry

### **C404 –04 (1957)**

Standard Specification for Aggregates for Masonry Grout

### **C476 –02 (1961)**

Standard Specification for Grout for Masonry

### **C780 –05 (1974)**

Standard Test Method for Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry

### **C887 –05 (1979)**

Standard Specification for Packaged, Dry, Combined Materials for Surface Bonding Mortar

### **C946 -91, 2001 (1981)**

Standard Practice for Construction of Dry-Stacked, Surface-Bonded Walls

### **C1019 –05 (1984)**

Standard Test Method for Sampling and Testing Grout

### **C1142 –05 (1990)**

Standard Specification for Extended Life Mortar for Unit Masonry

### **C1148 92a, 2002 (1990)**

Standard Test Method for Measuring the Drying Shrinkage of Masonry Mortar

### **C1180 –03 (1991)**

Standard Terminology of Mortar and Grout for Unit Masonry

### **C1324 –05 (1996)**

Standard Test Method for Examination and Analysis of Hardened Masonry Mortar

### **C1384 –05 (2002)**

Standard Specification for Admixtures for Masonry Mortars

### **C1403 –05 (1999)**

Standard Test Method for Rate of Water Absorption of Masonry Mortars

### **C1586 –05 (2004)**

Standard Guide for Quality Assurance of Mortars

## The C12 Anniversary Committee gratefully recognizes

### **LEVEL: M** **\$1000+**

ASTM Committee C1 on Cement  
Holcim (US) Inc.  
Lafarge North America Inc.  
Portland Cement Association

### **LEVEL: S** **\$750+**

Chemical Lime Company

### **LEVEL: N** **\$500+**

ACM Chemistries  
ACME Brick Company / Featherlite Building Products  
Aqualon Divison/Hercules Inc.  
Brick Industry Association  
CEMEX  
CTL Corporation  
Diane Throop, P.E. LLC  
Essroc Italcementi Group  
Florida Rock Industries  
International Masonry Institute  
Lehigh Cement Company  
Mead West Vaco Corporation  
National Concrete Masonry Association  
National Lime Association  
William Hime

### **LEVEL: O** **\$300+**

U.S Heritage Group, Inc.

### **LEVEL: K** **\$100+**

ASTM Committee C7 on Lime  
Belden Brick Company  
Roan Industries

# ASTM C12

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ASTM Committee C12 on Mortar and Grouts for Unit Masonry was formed in 1931. C12 meets twice a year, usually in June and December, with approximately 50 members attending two days of technical meetings capped by a discussion on relevant topics in the mortar and grout industry. The Committee, with a membership of approximately 230, currently has jurisdiction of 15 standards, published in the Annual Book of ASTM Standards, Volume 04.05. C12 has 7 technical subcommittees that maintain jurisdiction over these standards. These standards have and continue to play a preeminent role in all aspects important to the industries of mortar and grout used with masonry units including burned clay, shale, sand-lime, concrete and stone.

