EXHIBIT 45
# Certificate of Registration

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**Barbara Hunger**

**ACTING REGISTER OF COPYRIGHTS**

United States of America

---

## Form SE

**REGISTRATION NUMBER**

TX 3-614-178

---

**EFFECTIVE DATE OF REGISTRATION**

Aug. 13, 1993

---

## Title of this Serial

**1993 Annual Book of ASTM Standards: Non-Ferrous Metal Products**

**Volume**

02

**Number**

01

**Date on Copies**

JUNE

**Frequency of Publication**

Annual

---

## Name of Author

**American Society for Testing and Materials**

**Was this contribution to the work a “work made for hire”?**

- [ ] Yes
- [x] No

**AUTHOR’S NATIONALITY OR DOMICILE**

- [ ] Yes
- [ ] No

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK**

- [ ] Anonymous?
- [x] Pseudonymous?

**NATURE OF AUTHORSHIP**

- [ ] Collective Work
- [ ] Entire Text

---

## Date of Birth and Death

**Year Born**

**Year Died**

---

## Name of Author

**American Society for Testing and Materials**

**Was this contribution to the work a “work made for hire”?**

- [ ] Yes
- [ ] No

**AUTHOR’S NATIONALITY OR DOMICILE**

- [ ] Yes
- [ ] No

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- [ ] Anonymous?
- [ ] Pseudonymous?

**NATURE OF AUTHORSHIP**

- [ ] Collective Work
- [ ] Entire Text

---

## Date of Birth and Death

**Year Born**

**Year Died**

---

## Year in which Creation of this Issue was Completed

1993

---

## Date and Nation of First Publication of this Particular Issue

**Month**

2

**Day**

2

**Year**

1993

---

## Copyright Claimant(s)

**American Society for Testing & Materials**

1916 Race Street

Philadelphia, PA 19103-1187

---

## More on Back

- Complete all applicable spaces (numbers 5-11) on the reverse side of this page
- See detailed instructions

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**Application Received**

AUG. 13, 1993

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**Remittance Number and Date**

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**ASTM000039**
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DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.▼ 1992 Annual Book of ASTM Standards, Section Volume 08.01

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.▼ Compilation of previous published text plus additional text.

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Name ▼ Account Number ▼

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/City/State/Zip ▼

Robert L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103-1187
Area Code & Telephone Number ▼ 215-299-5431

CERTIFICATION I, the undersigned, hereby certify that I am the ☐ author ☐ other copyright claimant ☐ owner of exclusive right(s) American Society for Testing and Materials Authorized agent of for Testing and Materials Name of author or other copyright claimant, or owner of exclusive right(s) ▼

 Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer ▼ date ▼ 1993

MAIL CERTIFICATE TO

Name ▼ Kathe Hooper, ASTM
Number/Street/Apartment Number ▼ 1916 Race Street
City/State/ZIP ▼ Philadelphia, PA 19103-1187

U.S. GOVERNMENT PRINTING OFFICE: 1990—022-110000-009

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EXHIBIT 46
**Certificate of Copyright Registration**

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

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**Register of Copyrights**

United States of America

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<table>
<thead>
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<td>MAY</td>
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</tr>
</tbody>
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**Title of this Serial**

1984 Annual Book of ASTM Standards Section 2 Volume 02.01 Copper and Copper Alloys

---

**Name of Author**

American Society for Testing and Materials

---

**Name of Author**

American Society for Testing and Materials

---

**Nature of Authorship**

Briefly describe nature of the material created by this author in which copyright is claimed.

---

**Year in Which Creation of This Issue Was Completed**

1984

---

**Copyright Claimant(ies)**

American Society for Testing and Materials

1916 Race Street

Philadelphia, PA 19103

---

**Application Received**

26 Jun 1984

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**Transfer**

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MORE ON BACK ▶ Complete all applicable spaces (numbers 5-11) on the reverse side of this page.
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  b. ☐ This is the first application submitted by this author as copyright claimant.
  c. ☐ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼ Year of Registration ▼
TX 1-228-879 1983

DERIVATIVE WORK OR Compilation Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

  a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼
     1983 Annual Book of ASTM Standards, Section 2 Volume 02.01

  b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
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Names of Manufacturers ▼ Places of Manufacture ▼
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R. L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103
215-299-5431

CERTIFICATION* I, the undersigned, hereby certify that I am the
Check one ▼
☐ author
☐ other copyright claimant
☐ owner of exclusive right(s) American Society for
☐ authorized agent of Testing and Materials
Name of author or other copyright claimant, or owner of exclusive right(s) ▼

Typed or printed name and date ▼ If this is a published work, this date must be the same as or later than the date of publication given in space 3.
Robert L. Meltzer 6/15/84

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1916 Race Street
Philadelphia, PA 19103

Have you:
☐ Completed all necessary spaces?
☐ Signed your application in space 10?
☐ Enclosed check or money order for $10 payable to Register of Copyrights?
☐ Enclosed your deposit material with the application and fee?

* 17 U.S.C. § 506(c): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500.
^ U.S. GOVERNMENT PRINTING OFFICE: 1982-261-278/90
June 1982-108
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
REGISTER OF COPYRIGHTS

FORM SE

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

TITLE OF THIS SERIAL ▼
1997 Annual Book of ASTM Standards: Copper and Copper Alloys

Volume ▼ Number ▼ Date on Copies ▼ Frequency of Publication ▼
02 01 May '97

PREVIOUS OR ALTERNATIVE TITLES ▼

NAME OF AUTHOR ▼ American Society for Testing and Materials

Was this contribution to the work a "work made for hire"?
☐ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
☐ United States

Was this author's contribution to the work Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

NATURE OF AUTHORSHIP
Collective Work ☐ Other ▼ Entire Text

NAME OF AUTHOR ▼

Was this contribution to the work a "work made for hire"?
☐ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
☐ United States

Was this author's contribution to the work Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

NATURE OF AUTHORSHIP
Collective Work ☐ Other

NAME OF AUTHOR ▼

Was this contribution to the work a "work made for hire"?
☐ Yes ☐ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
☐ United States

Was this author's contribution to the work Anonymous? ☐ Yes ☐ No
Pseudonymous? ☐ Yes ☐ No

NATURE OF AUTHORSHIP
Collective Work ☐ Other

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED 1997
DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2.
American Society for Testing & Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

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MORE ON BACK ▼ Complete all applicable spaces (numbers 5-11) on the reverse side of this page

Page 1 of
EXHIBIT 48
<table>
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<th>Form SE</th>
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United States of America

--

1966 Annual Book of ASTM Standards: Nonferrous Metal Products
Copper and Copper Alloys

Volume ▼ Number ▼ Date on Copies ▼ Frequency of Publication ▼
02 01 May '66 Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

American Society for Testing and Materials

NAME OF AUTHOR ▼
American Society for Testing and Materials

DATE OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? □ Yes □ No Pseudonymous? □ Yes □ No

NATURE OF AUTHORSHIP
Collective Work □ Other: Entire Text

NAME OF AUTHOR ▼

WAS THIS CONTRIBUTION TO THE WORK a "made for hire"?
□ Yes □ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country ▼

NATURE OF AUTHORSHIP
Briefly describe nature of the material created by this author in which copyright is claimed ▼

DATE OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? □ Yes □ No Pseudonymous? □ Yes □ No

NAME OF AUTHOR ▼

WAS THIS CONTRIBUTION TO THE WORK a "made for hire"?
□ Yes □ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country ▼

NATURE OF AUTHORSHIP
Collective Work □ Other: Entire Text

DATE OF BIRTH AND DEATH
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WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
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NAME OF AUTHOR ▼

WAS THIS CONTRIBUTION TO THE WORK a "made for hire"?
□ Yes □ No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country ▼

NATURE OF AUTHORSHIP
Collective Work □ Other: Entire Text

DATE OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
Anonymous? □ Yes □ No Pseudonymous? □ Yes □ No

NAME OF AUTHOR ▼

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED
1966

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
May 2, 1966 U.S.A.

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Philadelphia, PA 19103-1187

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MORE ON BACK ▼ Complete all applicable spaces (numbers 5-11) on the reverse side of this page ▼ See detailed instructions ▼ Sign the form at line 10 ▼
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☑ Yes ☐ No  If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼
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  b. ☐ This is the first application submitted by this author as copyright claimant.
  c. ☑ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give Previous Registration Number ▼  Year of Re-registration ▼
TX  4-083-253  1995

DERIVATIVE WORK OR COMPILATION  Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.
  a. Preexisting Material  Identify any preexisting work or works that this work is based on or incorporates. ▼
     1995 Annual Book of ASTM Standards, Section 03, Volume 01.
  b. Material Added to This Work  Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Compilation of previous published text plus additional text.

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Name American Society for Testing and Materials  Account Number DA079338

CORRESPONDENCE  Give name and address to which correspondence about this application should be sent. Name Address Apt City State Zip ▼
Robert L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103-1187 Area Code & Telephone Number 215-299-5431

CERTIFICATION*  I, the undersigned, hereby certify that I am the
Check one ▼
☑ author ☐ other copyright claimant ☐ owner of exclusive right(s)

American Society for Testing and Materials  Name of author or other copyright claimant, or owner of exclusive right(s) ▼
Authorized agent for Testing and Materials  Typewritten or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.
Robert L. Meltzer  date ▼  May 6, 1996

Handwritten signature (X) ▼

MAIL CERTIFICATE TO

Name Kathe Hooper, ASTM
Number Street Apartment Number 1916 Race Street
City State Zip Philadelphia, PA 19103-1187

* 17 U.S.C. §§ 506(b) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409 or in any written statement filed in connection with the application shall be fined not more than $2,500

December 1990—75,000

U.S. GOVERNMENT PRINTING OFFICE 1990—024—089—476

ASTM000056
EXHIBIT 49
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**TITLE OF THIS SERIAL**

1998 Annual Book of ASTM Standards, Copper and Copper Alloys

<table>
<thead>
<tr>
<th>Volume</th>
<th>Number</th>
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<th>Frequency of Publication</th>
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<tr>
<td>02.01</td>
<td>02</td>
<td>May 1998</td>
<td>Annual</td>
</tr>
</tbody>
</table>

**PREVIOUS OR ALTERNATIVE TITLES**

**NAME OF AUTHOR**

American Society for Testing and Materials

**DATES OF BIRTH AND DEATH**

<table>
<thead>
<tr>
<th>Year Born</th>
<th>Year Died</th>
</tr>
</thead>
</table>

**NOTE**

Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

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1998

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

May 14, 1998

United States

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American Society for Testing and Materials

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

**APPLICATION RECEIVED**

JUN 19 1998

**ONE DEPOSIT RECEIVED**

**TWO DEPOSITS RECEIVED**

JUN 19 1998

**REMITTANCE NUMBER AND DATE**

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☐ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box)

a. ☐ This is the first published version of an issue previously registered in unpublished form.

b. ☐ This is the first application submitted by this author as copyright claimant.

c. ☐ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give:

Previous Registration Number □
Year of Registration □

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

6a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. □


6b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. □

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American Society for Testing and Materials

DA078328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Name/Address/City/State/ZIP □

Kathe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number □ (610) 832-8634

CERTIFICATION I, the undersigned, hereby certify that I am the

☐ author

☐ other copyright claimant

☐ owner of exclusive right(s)

☒ authorized agent of American Society for Testing & Materials

Name of author or other copyright claimant, or owner of exclusive right(s) □

Typed or printed name and date □ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Metzger date □ 5-20-98

Handwritten signature (X) □

MAIL CERTIFICATE TO

Name □

Kathe Hooper, ASTM
Number/Street/Apartment Number □
100 Barr Harbor Drive
City/State/ZIP □

West Conshohocken, PA 19428-2959

11

1. Application Form 10
2. Nonrefundable $30 filing fee
3. Deposit material
4. Certificate

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Washington, D.C. 20559

*17 U.S.C. § 501(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 406, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

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ASTM0000082
EXHIBIT 50
Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number TX 1-453-716

In testimony whereof, the seal of this office is affixed hereto on October 2, 2019

United States Register of Copyrights and Director
### Form SE

**Title of the Serial**
1984 Annual Book of ASTM Standards Section 2 Volume 02.02
Die-Cast Metals; Aluminum and Magnesium Alloys

<table>
<thead>
<tr>
<th>Volume</th>
<th>Number</th>
<th>Date on Copies</th>
<th>Frequency of Publication</th>
</tr>
</thead>
</table>

### NAME OF AUTHOR
American Society for Testing and Materials

### DATES OF BIRTH AND DEATH
**Year Born** ☐ Year Died ☐

### NAME OF AUTHOR

#### NOTE
Under the law, the "author" of a "work made for hire" is generally the employer or the employee. For any part of the work that was "work made for hire", check "Yes" in the space provided. If you have questions, write "Yes." See detailed instructions.

#### NAME OF AUTHOR
American Society for Testing and Materials

### DATES OF BIRTH AND DEATH
**Year Born** ☐ Year Died ☐

### NAME OF AUTHOR

### DATES OF BIRTH AND DEATH
**Year Born** ☐ Year Died ☐

### NAME OF AUTHOR

### DATES OF BIRTH AND DEATH
**Year Born** ☐ Year Died ☐

### NAME OF AUTHOR

### DATES OF BIRTH AND DEATH
**Year Born** ☐ Year Died ☐

### YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED
1984

### DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
June 25, 1984

### COPYRIGHT CLAIMANT(S)
American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103

### TRANSFER
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### MORE ON BACK
- Complete all applicable spaces (numbers 5-11) on the reverse side of this page.
- See detailed instructions.
- Sign the form at the top.

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**Effective Date of Registration**

**Month** ☐ **Day** ☐ **Year** ☐

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**REGISTRATION NUMBER**

**TX 1-453-716**

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DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION
Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?
X Yes ☐ No
a. ☐ This is the first published version of an issue previously registered in unpublished form.
b. ☐ This is the first application submitted by this author as copyright claimant.
c. ☒ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼ Year of Registration ▼
TX 1-187-011 1983

DERIVATIVE WORK OR Compilation
Complete both spaces 6a & 6b for a derivative work; complete only 6b for a compilation
a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼
1983 Annual Book of ASTM Standards Section 2 Volume 02.02
b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼
Compilation of previously published text plus additional text

MANUFACTURERS AND LOCATIONS
If this is a published work consisting preponderantly of dramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.
Names of Manufacturers ▼ Places of Manufacture ▼
Waverly Press, Inc. Easton, MD

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS
A signature on this form at space 10, and a check in one of the boxes here in space 6, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of recording of that work; or (3) both.

Copies and Phonorecords ▼ Copies Only ▼ Phonorecords Only ▼

DEPOSIT ACCOUNT
If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account Name ▼ Account Number ▼

CORRESPONDENCE
Give name and address to which correspondence about this application should be sent.
Name: R. L. Meltzer, ASTM
Address: 1916 Race Street
City: Philadelphia, PA 19103
Area Code & Telephone Number ▼ 215-299-5431

CERTIFICATION
I, the undersigned, hereby certify that I am the author ☐ other copyright claimant ☐ owner of exclusive right(s) ☐ American Society for Testing and Materials ☐ authorized agent of another copyright claimant or owner of exclusive right(s) ▼

Typed or printed name and date ▼ If this is a published work, this date must be the same as or later than the date of publication given in space 3.
Robert L. Meltzer 8/24/84

MAIL CERTIFICATE TO
Name ▼ American Society for Testing and Materials RLM
Number Street/Apartment Number ▼ 1916 Race Street
City/State/Zip ▼ Philadelphia, PA 19103

Handwritten signature (X) ▼

June 1982-180,000

* 17 U.S.C. § 506(a) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408, or in any written statement filed in connection with the application, shall be fined not more than $2,500.
* U.S.GOVERNMENT PRINTING OFFICE: 1982: 361-278/50
EXHIBIT 51
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

### Title of the Serial
**1994 Annual Book of ASTM Standards:**

- Copper Alloys

### Registration Number
- **TX 3 883-920**

### Effective Date of Registration
- **AUG 25 1994**

### Title of Serial
- Nonferrous Metal Products

### Volume
- 02

### Number
- 01

### Date of Copies
- June '94

### Frequency of Publication
- Annual

### Name of Author
- American Society for Testing and Materials

### Dates of Birth and Death
- Year Born: □
- Year Died: □

### Nature of Authorship
- Entire Text

### Name of Author
- American Society for Testing and Materials

### Dates of Birth and Death
- Year Born: □
- Year Died: □

### Nature of Authorship
- Entire Text

### Name of Author
- American Society for Testing and Materials

### Dates of Birth and Death
- Year Born: □
- Year Died: □

### Nature of Authorship
- Entire Text

### Year in Which Creation of This Issue Was Completed
- 1994

### Date and Nation of First Publication of This Particular Issue
- [Insert Date]

### Copyright Claimant(s)
- American Society for Testing & Materials

### U.S.A.
- 1916 Race Street
- Philadelphia, PA 19103-1187

### Application Received
- AUG 29, 1994

### One Deposit Received
- [Insert Date]

### Two Deposits Received
- [Insert Date]

### Remittance Number and Date
- [Insert Number and Date]
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION  Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

☐ Yes  ☐ No  If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼

☐ This is the first published version of an issue previously registered in unpublished form.

☐ This is the first application submitted by this author as copyright claimant.

☐ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number ▼  Year of Registration ▼

TX  3  883-920  1993

DERIVATIVE WORK OR COMPILATION  Complete both space a & b if for a derivative work; complete only b if for a compilation.

a. Preexisting Material  Identify any preexisting work or works that this work is based on or incorporates. ▼

1993 Annual Book of ASTM Standards, Section ③, Volume 20

b. Material Added to This Work  Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Compilation of previous published text plus additional text.

—space deleted—

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS  A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a reading of that work; or (3) both.

☑ Copies and Phonorecords  ☐ Copies Only  ☐ Phonorecords Only

See instructions before completing this space.

DEPOSIT ACCOUNT  If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼  Account Number ▼

CORRESPONDENCE  Give name and address to which correspondence about this application should be sent.

Name/Address/Apt/City/State/Zip ▼

Robert L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103-1187

Area Code & Telephone Number ▼  215-299-5431

CERTIFICATION*  I, the undersigned, hereby certify that I am the author or other copyright claimant of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

☐ of the work identified in this application should be sent. Name/Address/Apt/City/State/Zip ▼

Robert L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103-1187

American Society for Testing and Materials  Name of author or other copyright claimant, or owner of exclusive right(s)

Authorized agent  for Testing and Materials

Handwritten signature ▼

MAIL CERTIFICATE TO

Certificate will be mailed in window envelope

Name ▼  Number/Street/Apartment Number ▼  City/State/ZIP ▼

Kathe Hooper, ASTM

1916 Race Street

Philadelphia, PA 19103-1187

* 17 U.S.C. § 506(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500.
EXHIBIT 52
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

1998 Annual Book of ASTM Standards: Aluminum and Magnesium Alloys

PREVIOUS OR ALTERNATIVE TITLES ▼

NAME OF AUTHOR ▼
American Society for Testing and Materials

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼
American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2059

TRANSFER If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

NOTE Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire" check "Yes" in the space provided; give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

Case 1:13-cv-01215-TSC Document 198-8 Filed 10/07/19 Page 24 of 70
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION  Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

[ ] Yes  [ ] No  If your answer is "Yes," why is another registration being sought? (Check appropriate box)

a. [ ] This is the first published version of an issue previously registered in unpublished form.
b. [ ] This is the first application submitted by this author as copyright claimant.
c. [ ] This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number  Year of Registration

DERIVATIVE WORK OR COMPILATION  Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material  Identify any preexisting work or works that this work is based on or incorporates.

1997 Annual Book of ASTM Standards, Section .02, Volumes .02.02

b. Material Added To This Work  Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.

Compilation of previous published text plus additional text.

---space deleted---

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS  A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols), or (2) phonorecords embodying a fixation of a reading of that work, or (3) both.

a. [ ] Copies and Phonorecords
b. [ ] Copies Only
c. [ ] Phonorecords Only

DEPOSIT ACCOUNT  If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name □
Account Number □
American Society for Testing and Materials  DA078328

CORRESPONDENCE  Give name and address to which correspondence about this application should be sent.

Name/Address/Apt/City/State/ZIP □
Kathe Hooper, American Society for Testing and Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number □ (610) 832-9834

CERTIFICATION  I, the undersigned, hereby certify that I am the

[ ] author
[ ] other copyright claimant
[ ] owner of exclusive right(s)
[ ] authorized agent of □ American Society for Testing & Materials

Name of author or other copyright claimant, or owner of exclusive right(s)

Typed or printed name and date  If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer  date □  8-25-98

Handwritten signature □

MAIL CERTIFICATE TO

Certification will be mailed in window envelope

Name □
Kathe Hooper, ASTM
Number/Street/Apartment Number □ 100 Barr Harbor Drive

City/State/ZIP □
West Conshohocken, PA 19428-2959

17 U.S.C. § 505(e)(8) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 406, or in any written statement filed in connection with the application, shall be fined not more than $2,500.
EXHIBIT 53
**(Form TX)**

**REGISTRATION NUMBER**

TY .... 648-336

**EFFECTIVE DATE OF REGISTRATION**

MAR 11 1981

|---------------------|-------------------------------------------------------------------------------------------------------------------|

**PUBLICATION AS A CONTRIBUTION:** (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.)

<table>
<thead>
<tr>
<th>Title of Collective Work</th>
<th>Vol.</th>
<th>No.</th>
<th>Date</th>
<th>Pages</th>
</tr>
</thead>
</table>

**IMPORTANT:** Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates blank.

**NAME OF AUTHOR:** American Society for Testing & Materials

Was this author's contribution to the work a "work made for hire"? Yes X No

**AUTHOR'S NATIONALITY OR DOMICILE:**

Citizen of: 

{ Name of Country } or 

Domiciled in: 

{ Name of Country }

**AUTHOR OF:** (Briefly describe nature of this author's contribution)

Collective Works

**DATE OF BIRTH AND DEATH:**

Born (Year) Died (Year)

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK:**

Anonymous? Yes No

Pseudonym? Yes No

**DATE OF BIRTH AND DEATH:**

Born (Year) Died (Year)

**WAS THIS CONTRIBUTION TO THE WORK:**

Anonymous? Yes No

Pseudonym? Yes No

If the answer to either of these questions is "Yes," see detailed instructions attached.

**NAME OF AUTHOR:**

Was this author's contribution to the work a "work made for hire"? Yes No

**AUTHOR'S NATIONALITY OR DOMICILE:**

Citizen of: 

{ Name of Country } or 

Domiciled in: 

{ Name of Country }

**AUTHOR OF:** (Briefly describe nature of this author's contribution)

**DATE OF BIRTH AND DEATH:**

Born (Year) Died (Year)

**WAS THIS CONTRIBUTION TO THE WORK:**

Anonymous? Yes No

Pseudonym? Yes No

If the answer to either of these questions is "Yes," see detailed instructions attached.

**NAME OF AUTHOR:**

Was this author's contribution to the work a "work made for hire"? Yes No

**AUTHOR'S NATIONALITY OR DOMICILE:**

Citizen of: 

{ Name of Country } or 

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**AUTHOR OF:** (Briefly describe nature of this author's contribution)

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Born (Year) Died (Year)

**WAS THIS CONTRIBUTION TO THE WORK:**

Anonymous? Yes No

Pseudonym? Yes No

If the answer to either of these questions is "Yes," see detailed instructions attached.

**YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED:**

Year 1980

**DATE AND NATION OF FIRST PUBLICATION:**

Date June 1 1980

Nation United States

(This information must be given in all cases.)

**NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):**

American Society for Testing and Materials

1916 Race Street

Philadelphia, PA 19103

**TRANSFER:** (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

*Complete all applicable spaces (numbers 5-11) on the reverse side of this page

*Follow detailed instructions attached

*Sign the form at line 10

Page 1 of 2
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)

PREVIOUS REGISTRATION:
- Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes [X] No
- If your answer is "Yes," why is another registration being sought? (Check appropriate box)
  □ This is the first published edition of a work previously registered in unpublished form.
  □ This is the first application submitted by this author as copyright claimant.
  □ This is a changed version of the work, as shown by line 6 of this application.
- If your answer is "Yes," give Previous Registration Number: TX 278-716 Year of Registration: 1979

COMPILATION OR DERIVATIVE WORK: (See instructions)

PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.)

1979 Annual Book of ASTM Standards, Part 8

MATERIAL ADDED TO THIS WORK: (Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.)

Compilation of previously published text plus additional text

MANUFACTURERS AND LOCATIONS: (If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.)

NAMES OF MANUFACTURERS
- Waverly Press, Inc.
- Easton, MD

PLACES OF MANUFACTURE

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions)
- Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office. (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a foreshortening of a reading of that work; or (3) both.
  a [X] Copies and phonorecords
  b [ ] Copies Only
  c [ ] Phonorecords Only

DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.)

Name:

Account Number:

CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.)

Name: Robert L. Meltzer, ASTM
Address: 1916 Race Street
Philadelphia, PA 19103
(City) (State) (ZIP)

CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one)

□ author □ other copyright claimant □ owner of exclusive rights (Authorized agent of)

Name of author or other copyright claimant, or owner of exclusive rights)
of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Handwritten signature: [X] Robert L. Meltzer

Typed or printed name: Robert L. Meltzer

Date: 2/26/19

MAIL CERTIFICATE TO

American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103
(City) (State) (ZIP)

(Certificate will be mailed in window envelope)

* 17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

CERTIFICATE OF COPYRIGHT REGISTRATION

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

Diana L. Sider
REGISTER OF COPYRIGHTS
United States of America

REGISTRATION NUMBER

534-160

TXU

EFFECTIVE DATE OF REGISTRATION

Aug 17, 1980

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET (FORM TXCON)

<table>
<thead>
<tr>
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| IMPORTANT: | Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates blank. |

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<tr>
<th>NAME OF AUTHOR:</th>
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<tbody>
<tr>
<td>WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK a &quot;work made for hire&quot;?</td>
<td>Yes. X. No.</td>
</tr>
</tbody>
</table>

1

<table>
<thead>
<tr>
<th>AUTHOR'S NATIONALITY OR DOMICILE:</th>
<th>Citizen of.</th>
<th>U.S.A.</th>
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<tbody>
<tr>
<td>or Domiciled in.</td>
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3

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<thead>
<tr>
<th>YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED:</th>
<th>Year. 1980</th>
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<tr>
<td>DATE AND NATION OF FIRST PUBLICATION:</td>
<td>Date. July 30, 1980</td>
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<td>Nation. United States</td>
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<tr>
<th>NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):</th>
<th>American Society for Testing and Materials</th>
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<tbody>
<tr>
<td>1916 Race Street</td>
<td></td>
</tr>
<tr>
<td>Philadelphia, PA 19103</td>
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| TRANSFER: | (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.) |

* Complete all applicable spaces (numbers 5-11) on the reverse side of this page
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* Sign the form at line 10
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)

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<tr>
<td>Name: Robert L. Meltzer, ASTM</td>
<td></td>
</tr>
<tr>
<td>Address: 1916 Race Street Philadelphia, PA 19103</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>□ author □ other copyright claimant □ owner of exclusive right(s) □ authorized agent of: (Name of author or other copyright claimant, or owner of exclusive rights)</td>
<td></td>
</tr>
<tr>
<td>of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.</td>
<td></td>
</tr>
<tr>
<td>Handwritten signature: (X) Robert L. Meltzer</td>
<td></td>
</tr>
<tr>
<td>Typed or printed name: Robert L. Meltzer</td>
<td></td>
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<tr>
<td>Date: 7/31/80</td>
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<tr>
<th>MAIL CERTIFICATE TO</th>
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<tbody>
<tr>
<td>American Society for Testing and Materials</td>
<td></td>
</tr>
<tr>
<td>1916 Race Street Philadelphia, PA 19103</td>
<td></td>
</tr>
</tbody>
</table>

* 17 U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500.
EXHIBIT 55
**American Society for Testing and Materials**

**NAME OF AUTHOR**

American Society for Testing and Materials

**DATES OF BIRTH AND DEATH**

Year Born □ Year Died □

**AUTHOR'S NATIONALITY OR Domicile**

Name of Country

**NATURE OF AUTHORSHIP**

Briefly describe nature of the material created by this author in which copyright is claimed ▼

**YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED**

1986 □ Year

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

Month □ June Day □ 9 □ Year □ 1986 □ Nation

**COPYRIGHT CLAIMANT(S)**

Name and address must be given even if the claimant is the same as the author given in space 2 ▼

American Society for Testing and Materials

1916 Race Street

Philadelphia, PA 19103

**TRANSFER**

If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

**APPLICATION RECEIVED**

□ 07/□□/□□

**ONE DEPOSIT RECEIVED**

□ 07/□□/□□

**TWO DEPOSITS RECEIVED**

□ 07/□□/□□

**REMITTANCE NUMBER AND DATE**

□ 07/□□/□□
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

☐ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼
  □ This is the first published version of an issue previously registered in unpublished form.
  □ This is the first application submitted by this author as copyright claimant.
  □ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes" give: Previous Registration Number ▼ Year of Registration ▼
TX 1-626-716 1985

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work, complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed ▼

Compilation of previous published text plus additional text.

MANUFACTURERS AND LOCATIONS If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.

Names of Manufacturers ▼
Waverly Press, Inc.

Places of Manufacture ▼
Easton, MD

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 3 of this application in Braille (or similar tactile symbols); or (2) phonorecord reproductions embodying a fixation of a reading of that work, or (3) both.

☐ Copies and Phonorecords ☐ Copies Only ☐ Phonorecords Only

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼ Account Number ▼

CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/App/State/Zip ▼

R. L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103

Area Code & Telephone Number ▼ 215-299-5431

CERTIFICATION* I, the undersigned, hereby certify that I am the □ author □ other copyright claimant □ owner of exclusive right(s) American Society for Testing and Materials □ authorized agent of Name of author or other copyright claimant, or owner of exclusive right(s) ▼

Typed or printed name and date ▼ If this is a published work, this date must be the same as or later than the date of publication given in space 3.

Robert L. Meltzer ▼ date ▼ 6/19/86

Handwritten signature of ▼

MAIL CERTIFICATE TO Certificate will be mailed in window envelope

Name ▼
American Society for Testing and Materials

Number Street Apartment Number ▼
1916 Race Street

City/State/Zip ▼
Philadelphia, PA 19103

Note: completed all necessary address ▼
Signed your application in space ▼
Enclosed check or money order for $10 payable to Register of Copyrights ▼
Enclosed your deposit material with the application and fee? ▼

MAIL TO: Register of Copyrights
Library of Congress, Washington, D.C. 20559

June 1986 – 100,000

* 17 U.S.C. § 409(a). Any person who knowingly makes a false representation of a material fact in the application, copyright registration, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

0 U.S. GOVERNMENT PRINTING OFFICE: 1985: 461-584-20.001
EXHIBIT 56
CERTIFICATE OF COPYRIGHT REGISTRATION

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

Whit Newell

REGISTER OF COPYRIGHTS
United States of America

<table>
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<th>REGISTRATION NUMBER</th>
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<th>TITLE OF THIS WORK:</th>
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<td>1980 A manual Book of ASTM Standards; Part 15 Cement; Lime; Gypsum</td>
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<th>PREVIOUS OR ALTERNATIVE TITLES:</th>
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<thead>
<tr>
<th>PUBLICATION AS A CONTRIBUTION: (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.)</th>
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</thead>
<tbody>
<tr>
<td>Title of Collective Work:</td>
</tr>
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</table>

<table>
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<tr>
<th>IMPORTANT:</th>
</tr>
</thead>
</table>

1. NAME OF AUTHOR:
American Society for Testing and Materials

Was this author's contribution to the work a "work made for hire"? Yes ☐ No ☑

AUTHOR'S NATIONALITY OR DOMICILE:
Citizen of ☐ or ☑ Domiciled in ☐

U.S.A. ☑

AUTHOR OF: (Briefly describe nature of this author's contribution)
Entire Text

2. NAME OF AUTHOR:

Was this author's contribution to the work a "work made for hire"? Yes ☐ No ☑

AUTHOR'S NATIONALITY OR DOMICILE:
Citizen of ☐ or ☑ Domiciled in ☐

AUTHOR OF: (Briefly describe nature of this author's contribution)

3. NAME OF AUTHOR:

Was this author's contribution to the work a "work made for hire"? Yes ☐ No ☑

AUTHOR'S NATIONALITY OR DOMICILE:
Citizen of ☐ or ☑ Domiciled in ☐

AUTHOR OF: (Briefly describe nature of this author's contribution)

<table>
<thead>
<tr>
<th>YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED:</th>
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<tbody>
<tr>
<td>Year 1980</td>
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<tr>
<th>DATE AND NATION OF FIRST PUBLICATION:</th>
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<td>October 25, 1980</td>
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</table>

<table>
<thead>
<tr>
<th>NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Society for Testing and Materials</td>
</tr>
<tr>
<td>1916 Race Street</td>
</tr>
<tr>
<td>Philadelphia, Pa. 19103</td>
</tr>
</tbody>
</table>

TRANSFER: (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

Complete all applicable spaces (numbers 5-11) on the reverse side of this page.

Follow detailed instructions attached

Sign the form at line 10

DO NOT WRITE HERE

Page 1 of 7
Pages
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)

### PREVIOUS REGISTRATION:
- Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes, XX... No--------
- If your answer is "Yes," why is another registration being sought? (Check appropriate box)
  - This is the first published edition of a work previously registered in unpublished form.
  - This is the first application submitted by this author as copyright claimant.
  - This is a changed version of the work, as shown by line 6 of this application.
- If your answer is "Yes," give: Previous Registration Number: TX 372-788 Year of Registration: 1979

### COMPILATION OR DERIVATIVE WORK: (See instructions)
- PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.)
- MATERIAL ADDED TO THIS WORK: (Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.)
  - Compilation of previously published text plus additional text

### MANUFACTURERS AND LOCATIONS: (If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.)
- NAMES OF MANUFACTURERS
  - Waverly Press, Inc.
- PLACES OF MANUFACTURE
  - Easton, Maryland

### REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions)
- Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work or (3) both.
- Copies and phonorecords X Copies Only X Phonorecords Only

### DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.)
- Name:
- Account Number:

### CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.)
- Name: Robert L. Meltzer, ASTM.
- Address: 1916 Race Street Philadelphia, Pa 19103

### CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one)
- American Society for Testing and Materials
  - Author
  - Other copyright claimant
  - Owner of exclusive right(s)
  - Authorized agent of
  - Name of author or other copyright claimant, or owner of exclusive right(s)
  - of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

  Handwritten signature: [Signature]
  Typed or printed name: Robert L. Meltzer
  Date: 11-10-80

### MAIL CERTIFICATE TO
- American Society for Testing and Materials
  - 1916 Race Street
  - Philadelphia, Pa 19103
- (Certificate will be mailed in window envelope)
EXHIBIT 57
Certificate of Registration

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Maria A. Pallante
Register of Copyrights, United States of America

Registration Number
TX 7-685-927
Effective date of registration:
March 5, 2013

Title
Title of Work: ASTM C150-99a Standard Specification for Portland Cement

Completion/Publication
Year of Completion: 1999
Date of 1st Publication: December 1, 1999
Nation of 1st Publication: United States

Author
Author: ASTM International
Author Created: Entire Text
Work made for hire: Yes
Domiciled in: United States

Copyright claimant
Copyright Claimant: ASTM International
100 Barr Harbor Drive, West Conshohocken, PA, 19428, United States

Limitation of copyright claim
Material excluded from this claim: text
Previous registration and year: TX 4-787-636 1998
New material included in claim: text, editing

Rights and Permissions
Organization Name: ASTM International
Name: Kathleen Hooper
Email: khooper@astm.org
Telephone: 610-832-9634
Address: 100 Barr Harbor Drive
West Conshohocken, PA 19428 United States

Certification
EXHIBIT 58
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
REGISTER OF COPYRIGHTS
United States of America

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

TITLE OF THIS SERIAL ▼
1997 Annual Book of ASTM Standards: CONSTRUCTION: THERMAL INSULATION, ENVIRONMENTAL MONSTICS

Volume ▼ 01/00
Number ▼ 01
Date on Copies ▼ NOVEMBER 1997
Frequency of Publication ▼ Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

NAME OF AUTHOR ▼
American Society for Testing and Materials

DATE OF BIRTH AND DEATH ▼
Year Born ▼ Year Died ▼

AUTHOR'S NATIONALITY OR DOMICILE ▼
Was this contribution to the work a "work made for hire"? □ Yes □ No
Name of Country
Citizen of □
Domiciled in □ United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK ▼
Anonymous? □ Yes □ No
Pseudonymous? □ Yes □ No
If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP ▼
Briefly describe nature of the material created by this author in which copyright is claimed ▼

NAME OF AUTHOR ▼

DATE OF BIRTH AND DEATH ▼
Year Born ▼ Year Died ▼

AUTHOR'S NATIONALITY OR DOMICILE ▼
Was this contribution to the work a "work made for hire"? □ Yes □ No
Name of Country
Citizen of □
Domiciled in □ United States

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NAME OF AUTHOR ▼

DATE OF BIRTH AND DEATH ▼
Year Born ▼ Year Died ▼

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Name of Country
Citizen of □
Domiciled in □ United States

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK ▼
Anonymous? □ Yes □ No
Pseudonymous? □ Yes □ No
If the answer to either of these questions is "Yes," see detailed instructions

NATURE OF AUTHORSHIP ▼
Briefly describe nature of the material created by this author in which copyright is claimed ▼

NAME OF AUTHOR ▼

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED ▼
1997

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE ▼
Month ▼ Dec Day ▼ 15 Year ▼ 1997

COPYRIGHT CLAIMANT(S) ▼
Name and address must be given even if the claimant is the same as the author given in space 2.
American Society for Testing & Materials
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

TRANSFER ▼
If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

MORE ON BACK ▼
Complete all applicable spaces (numbers 5-11) on the reverse side of this page
See detailed instructions
Sign the form at line 10
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

☐ Yes ☐ No If your answer is "Yes," why is another registration being sought? (Check appropriate box)

☐ This is the first published version of an issue previously registered in unpublished form.

☐ This is the first application submitted by this author as copyright claimant.

☐ This is a change in version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give: Previous Registration Number

TH# Year of Registration

1996

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.

1997 Annual Book of ASTM Standards, Section #, Volume #.

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. Completion of previous published text plus additional text.

---space deleted---

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS

☐ author

☐ other copyright claimant

☐ owner of exclusive right(s)

☐ authorized agent of

American Society for Testing and Materials

A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) phonorecords embodying a fixation of a reading of that work; or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

☐ Copies and Phonorecords

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☐ Phonorecords Only

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name American Society for Testing and Materials

Account Number # DA0768328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Name/Address: Apt/State/Zip:

Robert L. Meltzer, ASTM

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Area Code & Telephone Number 610-832-9632

CERTIFICATION* I, the undersigned, hereby certify that I am the

☐ author   ☐ other copyright claimant

☐ owner of exclusive right(s)

☐ authorized agent of

American Society for Testing and Materials

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

date

MAIL CERTIFICATE TO

Name Kathe Hooper, ASTM

Number Street Apartment Number

100 Barr Harbor Drive

City State ZIP

West Conshohocken, PA 19428-2959

11

Copyright fees are adjusted by higher rates, based on increases in the Consumer Price Index. The next adjustment to due in 1994. Contact the Copyright Office for the new list of rates.

e U.S. GOVERNMENT PRINTING OFFICE: 1992—312-43250.00

June 1992—50/000

Handwritten signature (X)

Copyright Text is approved by Copyrighth Holders, based on increases in the Consumer Price Index. The next adjustment to due in 1994. Contact the Copyright Office for the new list of rates.

ASTM000074
EXHIBIT 59
**Case 1:13-cv-01215-TSC   Document 198-8   Filed 10/07/19   Page 45 of 70**

---

**FORM SE**

**UNITED STATES COPYRIGHT OFFICE**

**REGISTRATION NUMBER**

TX 2-984-931

**EFFECTIVE DATE OF REGISTRATION**

2 4 91

---

**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.**

**TITLE OF THIS SERIAL ▼**

1990 Annual Book of ASTM Standards: THERMAL INSULATION; ENVIRONMENTAL ACOUSTICS

**Volume ▼**

**Number ▼**

**Date on Copies ▼**

**OCTOBER 1990**

**Frequency of Publication ▼**

ANNUAL

**PREVIOUS OR ALTERNATIVE TITLES ▼**

---

**NAME OF AUTHOR ▼**

**American Society for Testing and Materials**

**DATES OF BIRTH AND DEATH**

**Year Born ▼**

**Year Died ▼**

**AUTHOR'S NATIONALITY OR DOMICILE**

**Was this contribution to the work a "work made for hire"?**

**Yes □ No □**

**Name of Country**

**Citizen of □**

**Domiciled in □**

**United States □**

**Anonymous? □ Yes □ No □**

**Pseudonymous? □ Yes □ No □**

**If the answer to either of these questions is "Yes," see detailed instructions.**

**NATURE OF AUTHORSHIP**

**Briefly describe nature of the material created by this author in which copyright is claimed. ▼**

---

**NAME OF AUTHOR ▼**

**American Society for Testing & Materials**

**DATES OF BIRTH AND DEATH**

**Year Born ▼**

**Year Died ▼**

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**Citizen of □**

**Domiciled in □**

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**NAME OF AUTHOR ▼**

**American Society for Testing & Materials**

**DATES OF BIRTH AND DEATH**

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**NATURE OF AUTHORSHIP**

**Briefly describe nature of the material created by this author in which copyright is claimed. ▼**

---

**YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED**

1990

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

1990 □ Year

**COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼**

**American Society for Testing & Materials**

1916 Race Street

Philadelphia, PA 19103

**TRANSFER**

If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. ▼

---

MORE ON BACK ▼

**Complete all applicable spaces (numbers 5-11) on the reverse side of this page.**

**See detailed instructions.**

**Sign the form at line 10.**

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**DO NOT WRITE HERE**

Page 1 of 1 pages
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?
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  □ This is the first application submitted by this author as copyright claimant.
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If your answer is "Yes," give Previous Registration Number 1979 Year of Registration

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.
  □ Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.
  
1986 Annual Book of ASTM Standards, Section Volume 07.02

  □ Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed.
  
Compilation of previous published text plus additional text.

MANUFACTURERS AND LOCATIONS If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.

Names of Manufacturers Place of Manufacture

Waverly Press, Inc. Easton, MD

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS A signature on this form at space 3, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

□ Copies and Phonorecords □ Copies Only □ Phonorecords Only

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name Account Number

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

R. L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103

Area Code & Telephone Number (215) 299-5431

CERTIFICATION* I, the undersigned, hereby certify that I am the [ ] author [ ] other copyright claimant [ ] owner of exclusive right(s) [ ] authorized agent of American Society for Testing and Materials [ ]

Name of author or other copyright claimant, or owner of exclusive rights

Typewritten name and date If this is a published work, this date must be the same as or later than the date of publication given in space 3.

Robert L. Meltzer

Handwriting acknowledged by

MAIL CERTIFICATE TO

Kathleen M. Hooper

ASTM, 1916 Race Street

Philadelphia, PA 19103

*17 U.S.C. 408: Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 408, or in any written statement filed in connection with the application, shall be fined not more than $2,500.
EXHIBIT 60
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**Certificate of Registration**

**Title of This Serial**: 1999 Annual Book of ASTM Standards, Concrete and Aggregates

<table>
<thead>
<tr>
<th>Volume</th>
<th>Number</th>
<th>Date of Copies</th>
<th>Frequency of Publication</th>
</tr>
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<tbody>
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<td>04.02</td>
<td>04'</td>
<td>October 1999</td>
<td>Annual</td>
</tr>
</tbody>
</table>

**Previous or Alternative Titles**

1. **Name of Author**: American Society for Testing and Materials

2. **Note**: Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). For any part of this work that was "made for hire," check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as "Author" of that part, and leave the space for dates of birth and death blank.

3. **Name of Author**: American Society for Testing and Materials

4. **Copyright Claimant(s)**: American Society for Testing and Materials

   - 100 Bar Harbor Drive
   - West Conshohocken, PA 19428-2959

   **Transfer**: If the claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.

   **Application Received**: NOV 15, 1999

   **One Deposit Received**: NOV 15, 1999

   **Two Deposits Received**: NOV 15, 1999

   **Remittance Number and Date**: 

   **Effective Date of Registration**:

   - Month: 1
   - Day: 15
   - Year: 1999

---

[More on Back](#) Complete all applicable spaces (numbers 5-11) on the reverse side of this page.

- See detailed instructions.
- Sign the form at line 10.

---

[Page 1 of ?] pages
Case 1:13-cv-01215-TSC   Document 198-8   Filed 10/07/19   Page 49 of 70

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?
☐ Yes  ☐ No  If your answer is "Yes," why is another registration being sought? (Check appropriate box)
  a. ☐ This is the first published version of an issue previously registered in unpublished form.
  b. ☐ This is the first application submitted by this author as copyright claimant.
  c. ☐ This is a changed version of this issue, as shown by space 6 on this application.
If your answer is "Yes," give:  Previous Registration Number  
  Year of Registration  

DERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation.
a.  Preexisting Material Identify any preexisting work or works that this work is based on or incorporates.  1998 Annual Book of ASTM Standards, Section 04, Volume 04.02

b. Material Added To This Work  Give a brief, general statement of the material that has been added to this work and in which copyright is claimed
  Compilation of previous published text plus additional text

---space deleted---

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS  A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

☐  Copies and Phonorecords  ☐ Copies Only  ☐ Phonorecord Only

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

American Society for Testing and Materials  DA078328

CORRESPONDENCE Give name and address to which correspondence about this application should be sent.

Kathe Hooper, American Society for Testing and Materials

100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number  (610) 832-9634

CERTIFICATION I, the undersigned, hereby certify that I am the
☐ author  ☐ other copyright claimant  ☐ owner of exclusive right(s)

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date  If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer  10-27-99

Handwritten signature (X)

MAIL CERTIFICATE TO

Name  
Kathe Hooper, ASTM

Number/Street/Apartment Number  
100 Barr Harbor Drive

City/State/ZIP  
West Conshohocken, PA 19428-2959

Certificate will be mailed in window envelope

Register of Copyrights
Library of Congress
Washington, D.C. 20559

1 7 U.S.C. § 502(b)  Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

This form was electronically produced by Elite Federal Forms, Inc.  

ASTM000114
EXHIBIT 61
Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number TX 1-696-496.

In testimony whereof, the seal of this office is affixed hereto on October 2, 2019.

United States Register of Copyrights and Director
**FORM SE**
UNITED STATES COPYRIGHT OFFICE
REGISTRATION NUMBER

<table>
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<tr>
<th>Registration Number</th>
<th>Date of Registration</th>
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<tr>
<td>TX 1 696 496</td>
<td>September 12, 1985</td>
</tr>
</tbody>
</table>

**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.**

**TITLE OF THIS SERIAL**
1985 Annual Book of ASTM Standards

**Volume**
09.02

**Section**
9

**Date on Copies**
August

**Frequency of Publication**
Annual

**PREVIOUS OR ALTERNATIVE TITLES**

---

**NAME OF AUTHOR**
American Society for Testing and Materials

**DATE OF BIRTH AND DEATH**

- **Year Born**
- **Year Died**

---

**AUTHOR'S NATIONALITY OR DOMICILE**

- **Country of Residence**
- **Domiciled in**

- **U.S.A.**

---

**NATURE OF AUTHORSHIP**
Briefly describe the nature of the material created by this author in which copyright is claimed.

- **Collective Work**
- **Entire Text**

---

**DATE OF BIRTH AND DEATH**

- **Year Born**
- **Year Died**

---

**AUTHOR'S NATIONALITY OR DOMICILE**

- **Country of Residence**
- **Domiciled in**

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- **Collective Work**
- **Entire Text**

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**DATE OF BIRTH AND DEATH**

- **Year Born**
- **Year Died**

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**AUTHOR'S NATIONALITY OR DOMICILE**

- **Country of Residence**
- **Domiciled in**

---

**NATURE OF AUTHORSHIP**
Briefly describe the nature of the material created by this author in which copyright is claimed.

- **Collective Work**
- **Entire Text**

---

**YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED**
1985

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**
August 15, 1985

**COPYRIGHT CLAIMANT(S)**
American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103

**TRANSFER:** If the claimant(s) named here in space 4 are different from the author(s) named in space 1, give a brief statement of how the claimant(s) obtained ownership of the copyright.
EXHIBIT 62
Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number

TX 829-453

In testimony whereof, the seal of this office is affixed hereto on

October 1, 2019

[Signature]

United States Register of Copyrights and Director
**Case 1:13-cv-01215-TSC**  
**Document 198-8**  
**Filed 10/07/19**  
**Page 56 of 70**

---

**FORM TX**  
**UNITED STATES COPYRIGHT OFFICE**

**REGISTRATION NUMBER**

TX 829-453

**TXU**

**EFFECTIVE DATE OF REGISTRATION**

JAN 12 1982

---

**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET (FORM TX/CON)**

---

**TITLE OF THIS WORK:** 1981 Annual Book of ASTM Standards  
Part 18: Thermal Insulation; Building Seals and Sealants; Fire Standards; Building Constructions; Environmental...

**PREVIOUS OR ALTERNATIVE TITLES:**

---

**PUBLICATION AS A CONTRIBUTION:** (If this work was published as a contribution to a periodical, serial, or collection; give information about the collective work in which the contribution appeared)

---

**IMPORTANT:** Under the law, the "author" of a "work made for hire" is generally the employer, not the employee (see instructions). If any part of this work was "made for hire" check "Yes" in the space provided, give the employer (or other person for whom the work was prepared) as Author of that part and leave the space for dates blank.

---

**NAME OF AUTHOR:** American Society for Testing and Materials  
**DATES OF BIRTH AND DEATH:**

Was this author's contribution to the work a "work made for hire"? Yes X No

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK:**

Anonynous? Yes No  
Pseudonym? Yes No

**DATE OF BIRTH AND DEATH:**

Born (Year) Died (Year)

---

**AUTHOR'S NATIONALITY OR DOMICILE:**

Citizen of (Name of Country) or Domiciled in U.S.A.

**NAME OF AUTHOR:**

Was this author's contribution to the work a "work made for hire"? Yes No

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK:**

Anonymous? Yes No  
Pseudonym? Yes No

**DATE OF BIRTH AND DEATH:**

Born (Year) Died (Year)

---

**AUTHOR'S NATIONALITY OR DOMICILE:**

Citizen of (Name of Country) or Domiciled in (Name of Country)

**NAME OF AUTHOR:**

Was this author's contribution to the work a "work made for hire"? Yes No

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK:**

Anonymous? Yes No  
Pseudonym? Yes No

**DATE OF BIRTH AND DEATH:**

Born (Year) Died (Year)

---

**AUTHOR'S NATIONALITY OR DOMICILE:**

Citizen of (Name of Country) or Domiciled in (Name of Country)

**NAME OF AUTHOR:**

Was this author's contribution to the work a "work made for hire"? Yes No

**WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK:**

Anonymous? Yes No  
Pseudonym? Yes No

**DATE OF BIRTH AND DEATH:**

Born (Year) Died (Year)

---

**YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED:**

Year 1981

**DATE AND NATION OF FIRST PUBLICATION:**

Date November 5 1981  
Month Day  
Nation United States  
(Name of Country)

---

**NAME(S) AND ADDRESS(S) OF COPYRIGHT CLAIMANT(S):**

American Society for Testing and Materials  
1916 Race Street  
Philadelphia, PA 19103

---

**TRANSFER:** (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

---

*Complete all applicable spaces (numbers 1-14) on the reverse side of this page*  
*Follows detailed instructions attached*  
*Signs the form at line 10*
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED ADDITIONAL SPACE, USE CONTINUATION SHEET (FORM TX/CON)

PREVIOUS REGISTRATION:
- Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes X No
- If your answer is "Yes," why is another registration being sought? (Check appropriate box)
  - This is the first published edition of a work previously registered in unpublished form.
  - This is the first application submitted by this author as copyright claimant.
- If your answer is "Yes," give Previous Registration Number 829-131 and Year of Registration 1980

COMPILATION OR DERIVATIVE WORK: (See instructions)

- PREEXISTING MATERIAL (Identify any preexisting work or works that this work is based on or incorporates.)
  - 1980 Annual Book of ASTM Standards, Part IV

- MATERIAL ADDED TO THIS WORK (Give a brief general statement of the material that has been added to this work and in which copyright is claimed)
  - Compilation of previously published text plus additional text

MANUFACTURERS AND LOCATIONS: (If this is a published work consisting preponderantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.)

NAMES OF MANUFACTURERS
- Waverly Press, Inc.
PLACES OF MANUFACTURE
- Easton, MD

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions)

- Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office. (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols) or (2) phonorecords embodying a fixation of a reading of that work, or both
  - a) Copies and phonorecords
  - b) Copies Only
  - c) Phonorecords Only

DEPOSIT ACCOUNT: (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.)

Name: Robert L. Meltzer, ASTM
Address: 1916 Race Street
Philadelphia, PA 19103
(City) (State) (ZIP)

CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent)

Name: Robert L. Meltzer, ASTM
Address: 1916 Race Street
Philadelphia, PA 19103
(City) (State) (ZIP)

CERTIFICATION: I, the undersigned, hereby certify that I am the: (Check one)
- Author Other copyright claimant Owner of exclusive rights (s) Authorized agent of:

Handwritten signature: [X]
Typed or printed name: Robert L. Meltzer
Date: 12/29/81

MAIL CERTIFICATE TO

American Society for Testing and Materials
1916 Race Street
Philadelphia, PA 19103

Certificate will be mailed in window envelope

© 1980 ASTM. All rights reserved. This form must be completed in accordance with the Copyright Act of 1976. Any person who knowingly makes a false representation in the application or copyright registration provided for by this Act, or in any written statement filed in connection with the application, shall be fined not more than $2,500.

May 1980 — 100,000

05/12/2003
EXHIBIT 63
**Certificate of Copyright Registration**

This certificate, issued under the seal of the Copyright Office in accordance with the provisions of section 410(a) of title 17, United States Code, attests that copyright registration has been made for the work identified below. The information in this certificate has been made a part of the Copyright Office records.

---

### Title of This Serial

**1991 Annual Book of ASTM Standards: Construction; Thermal Insulation; Environmental Acoustics**

<table>
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<td>06</td>
<td>October</td>
<td>ANNUAL</td>
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### Previous or Alternative Titles

---

### American Society for Testing and Materials

**Name of Author**

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<td>Year Born</td>
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**Author's Nationality or Domicile**

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<td>United States</td>
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**Was this contribution to the work a ‘work made for hire’?**

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<th>No</th>
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### Nature of Authorship

<table>
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<tr>
<th>Briefly describe nature of the material created by this author in which copyright is claimed.</th>
</tr>
</thead>
</table>

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### Date and Nation of First Publication of This Particular Issue

<table>
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<td></td>
<td></td>
<td>1991</td>
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</tbody>
</table>

---

### Copyright Claimant(s)

**Name and address must be given even if the claimant is the same as the author given in space 2.**

**American Society for Testing & Materials**  
1916 Race Street  
Philadelphia, PA  19103–1187

**Remittance Number and Date**

---

**Application Received**  
MA 30.1 1992

**One Deposit Received**

**Two Deposits Received**  
MA 30.1 1992

---

**More on Back**

* Complete all applicable spaces (numbers 5-11) on the reverse side of this page
* See detailed instructions
* Sign the form at line 10

---

Page 1 of _ _ pages

---
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION  Has registration for this issue, or an earlier version of this particular issue, already been made in the Copyright Office? □ Yes □ No
  a. □ This is the first published version of an issue previously registered or unpublished form.
  b. □ This is the first application submitted by this author as copyright claimant.
  c. □ This is a changed version of this issue, as shown by space 6 on this application.

If your answer is "Yes," give Previous Registration Number □ Year of Registration □

DERIVATIVE WORK OR COMPICTION  Complete both spaces □ & □ for a derivative work; complete only □ for a compilation.

1990 Annual Book of ASTM Standards, Section 01, Volume 01.03

b. Material Added to This Work  Give a brief, general statement of the material that has been added to this work and in which copyright is claimed □

Compilation of previous published text plus additional text.

—space deleted—

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS  A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.

□ Copies and Phonorecords □ Copies Only □ Phonorecords Only

DEPOSIT ACCOUNT  If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account □

CORRESPONDENCE  Give name and address to which correspondence about this application should be sent. Name: Address: City: State: Zip □

Robert L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103-1187

Area Code & Telephone Number □ 215-299-5431

CERTIFICATION  I, the undersigned, hereby certify that I am the □ author □ other copyright claimant □ owner of exclusive right(s) □

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Authorized agent of American Society for Testing and Materials □

Name of author or other copyright claimant, or owner of exclusive right(s) □

Typed or printed name and date □ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer □

Handwritten signature □

MAIL CERTIFICATE TO

Kathe Hooper, ASTM
1916 Race Street
Philadelphia, PA 19103-1187

11

* If U.S.C. § 106(c) applies. Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be liable not more than $2,500.

U.S. GOVERNMENT PRINTING OFFICE: 1990—282-170/02.005

ASTM000032
EXHIBIT 64
Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number TX 1-041-470

In testimony whereof, the seal of this office is affixed hereto on October 1, 2019

United States Register of Copyrights and Director
### FORM TX

**UNITED STATES COPYRIGHT OFFICE**

**REGISTRATION NUMBER**

TX 1-041-470

**EFFECTIVE DATE OF REGISTRATION**

(Month) (Day) (Year)

---

**TITLE OF THIS WORK:**

1982 Annual Book of ASTM Standards Part 18 Thermal Insulation, Building Seals and Sealants

**PREVIOUS OR ALTERNATIVE TITLES:**

---

**PUBLICATION AS A CONTRIBUTION:** (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.)

**Title of Collective Work**

---

**DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE CONTINUATION SHEET (FORM TX/CON)**

**1**

**Title**

**1982 Annual Book of ASTM Standards Part 18 Thermal Insulation, Building Seals and Sealants**

**PREVIOUS OR ALTERNATIVE TITLES:**

---

**PUBLICATION AS A CONTRIBUTION:** (If this work was published as a contribution to a periodical, serial, or collection, give information about the collective work in which the contribution appeared.)

**Title of Collective Work**

---

**IMPORTANT:** Under the law, the “author” of a work made for hire is generally the employer, not the employee (see instructions). If any part of this work was “made for hire,” check “Yes” in the space provided; give the employer (or other person for whom the work was prepared) as “Author” of that part, and leave the space for dates blank.

---

**NAME OF AUTHOR:**

American Society for Testing and Materials

**NAME OF AUTHOR:**

American Society for Testing and Materials

**DATE OF BIRTH AND DEATH:**

---

**AUTHOR’S NATIONALITY OR DOMICILE:**

Citizen of U.S.A. **or** Domiciled in U.S.A.

**AUTHOR OF:** (Briefly describe nature of this author’s contribution)

**DATE OF BIRTH AND DEATH:**

---

**2**

**AUTHOR(S) OF CONTRIBUTION TO THIS WORK:**

---

**NAME OF AUTHOR:**

---

**NAME OF AUTHOR:**

---

**DATE OF BIRTH AND DEATH:**

---

**AUTHOR’S NATIONALITY OR DOMICILE:**

Citizen of **or** Domiciled in

**AUTHOR OF:** (Briefly describe nature of this author’s contribution)

**DATE OF BIRTH AND DEATH:**

---

**3**

**NAME OF AUTHOR:**

---

**NAME OF AUTHOR:**

---

**DATE OF BIRTH AND DEATH:**

---

**AUTHOR’S NATIONALITY OR DOMICILE:**

Citizen of **or** Domiciled in

**AUTHOR OF:** (Briefly describe nature of this author’s contribution)

**DATE OF BIRTH AND DEATH:**

---

---

**YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED:**

1982

**DATE AND NATION OF FIRST PUBLICATION:**

---

**NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S):**

American Society for Testing and Materials

1916 Race Street

Philadelphia, PA 19103

**TRANSFER:** (If the copyright claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright.)

---

*Complete all applicable spaces (numbers 5-11) on the reverse side of this page*

*Follow detailed instructions attached*

*Sign the form at line 10*

---

Page 1 of 1 pages
**Previous Registration:**
- Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes X No
- If your answer is "Yes," why is another registration being made? (Check appropriate box)
  - This is the first published edition of a work previously unpublished form
  - This is the first application submitted by this author
  - This is a changed version of the work, as shown by bona fide application
- If your answer is "Yes," please previous Registration Number TX 829-453 Year of Registration 1981

**Compilation or Derivative Work:**
- Preexisting Material (Identify any preexisting work or works that this work is based on or incorporates)
  - 1981 Annual Book of ASTM Standards, Part 18
  - Material added to this work (Give a brief general statement of the material that has been added to this work and in which copyright is claimed):
    - Compilation of previously published text plus additional text

**Manufacturers and Locations:**
- If this is a published work consisting predominantly of nondramatic literary material in English, the law may require that the copies be manufactured in the United States or Canada for full protection. If so, the names of the manufacturers who performed certain processes, and the places where these processes were performed must be given. See instructions for details.

<table>
<thead>
<tr>
<th>Names of Manufacturers</th>
<th>Place of Manufacture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waverly Press, Inc.</td>
<td>Easton, MD</td>
</tr>
</tbody>
</table>

**Reproduction for Use of Blind or Physically Handicapped Persons:**
- Signature of this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office. (1) copies of the work identified in space 1 of this application in Braille (or similar tactile symbols), or (2) phonorecords embodying a fixation of a reading of that work, or both.

| a | Copies and phonorecords |
| b | Copies Only |
| c | Phonorecords Only |

**Deposit Account:** (If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Account Number</th>
</tr>
</thead>
</table>

**Correspondence:** (Give name and address to which correspondence about this application should be sent.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert L. Meltzer, ASTM</td>
<td>1916 Race Street Philadelphia PA 19103</td>
</tr>
</tbody>
</table>

**Certification:** I, the undersigned, hereby certify that I am the owner of exclusive rights to the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

- Handwritten signature: [Signature]
- Typed or printed name: Robert L. Meltzer
- Date: [Date]

**Mail Certificate To:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Society for Testing and Materials</td>
<td>1916 Race Street Philadelphia PA 19103</td>
</tr>
</tbody>
</table>

**Note:**
- Under Title 17 U.S.C. 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than $2,500.
Case 1:13-cv-01215-TSC   Document 198-8   Filed 10/07/19   Page 66 of 70

### Form A

**Class**
A

**Registration No.**
176757

**DO NOT WRITE HERE**

**Application for Registration of a Claim to Copyright**

in a published book manufactured in the United States of America

**Instructions:** Make sure that all applicable spaces have been

completed before you submit the form. The application must

be signed at line 10 and the AFFIDAVIT (line 11) must be

filed with the Copyright Office. The application should not

be submitted until after the date of publication given in line

4 and should state the facts which existed on that date.

For further information, see page 4.

1. **Copyright Claimant(s) and Address(es):** Give the name(s) and address(es) of the copyright owner(s). Ordinarily the

name(s) should be the same as in the notice of copyright on the copies deposited.

**American Society for Testing and Materials**

1916 Race St., Phila., Pa. 19103

2. **Title:**

(Give the title of the book as it appears on the title page)

**Gaskets**

1. **Author:** Citizenship and domicile information must be

given.

Where a work was made for hire, the employer is the

author. The citizenship of organizations formed under U.S.

Federal or State law should be stated as U.S.A. Authors

may be editors, compilers, translators, illustrators, etc., as

well as authors of original text. If the copyright claim is

based on new matter (see line 5) give requested information

about the author of the new matter.

**American Society for Testing and Materials**

(Citizenship)

176757

(U.S.)

(Domiciled in U.S.A.)

Yes No

Address 1916 Race St., Phila., Pa. 19103

3. **Date of Publication of This Edition:** Give the complete

date when copies of this particular edition were first placed

on sale, sold, or publicly distributed. The date when copies

were made or printed should not be confused with the date of

publication. (NOTE: The full date (month, day, and year)

must be given.) For further information, see page 4.

(Month) July 1970

(Year)

(Note: Leave line 5 blank unless the following instructions apply to this work.)

1. **New Matter in This Version:** If any substantial part of this

work has been previously published anywhere, give a brief,

general statement of the nature of the new matter published

Compilation of previously published texts and additional text

2. **NOTE:** Leave line 6 blank unless there has been a PREVIOUS FOREIGN EDITION in the English language.

4. **Book in English Previously Manufactured and Published Abroad:** If all or a substantial part of the text of this edition was

previously manufactured and published abroad in the English language, complete the following spaces:

Date of first publication of foreign edition (Year)

Was registration for the foreign edition made in the U.S. (Yes No)

Copyright Office?
7. If registration fee is to be charged to a deposit account established in the Copyright Office, give name of account.

8. Name and address of person or organization to whom correspondence or refund, if any, should be sent.
   Name: American Society for Testing and Materials

9. Send certificate to:
   Address: American Society for Testing and Materials
   1916 Race Street
   Phila., Pa. 19103

10. Certification: (NOTE: Application not acceptable unless signed)
    I CERTIFY that the statements made by me in this application are correct to the best of my knowledge.

    Signature: Albert L. Batik

11. Affidavit (required by law).
    Instructions: (1) Fill in the blank spaces with special attention to those marked "X.
    (2) Sign the affidavit before an officer authorized to administer oaths within the United States, such as a notary public.
    NOTE: The affidavit must be signed and notarized only on or after the date of publication or completion of printing when it states. The affidavit must be signed by an individual.

    STATE OF Pennsylvania
    COUNTY OF Philadelphia
    That the book was published or the printing was completed on: (X) 31 July 1970

    That of the various processes employed in the production of the copies deposited, the setting of the type was performed within the limits of the United States or the making of the plates was performed within the limits of the United States from type set therein; or the lithographic or photoengraving processes used in producing the text were wholly performed within the limits of the United States, and that the printing of the text and the binding (if any) were also performed within the limits of the United States. That such typesetting, platemaking, lithographic or photoengraving process, printing, and binding were performed by the following establishments or individuals at the following addresses:

    Names (X) Waverly Press, Inc.
    Addresses (X) Easton, Maryland (U.S.A.)

    Signature: Albert L. Batik

    (Signature of affiant)

    PLACE: (Sign and notarize only on or after date given above)

    Subscribed and sworn to before me this 19th day of August, 1970

    Notary Public

    Application and affidavit received
    SEP-3 1970
    Two copies received
    SEP-3 1970
    Fee received
    19662 SEP-3 1970
This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

**NAME OF AUTHOR**

American Society for Testing and Materials

**DATES OF BIRTH AND DEATH**

Year Born □ Year Died □

**AUTHOR'S NATIONALITY OR DOMICILE**

Was this contribution to the work a "work made for hire?"

[ ] Yes □ No

[ ] Yes □ No

Name of Country □ Domiciled in □

Anonymous? □ Yes □ No

Pseudonymous? □ Yes □ No

**DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE**

U.S.A.

**COPYRIGHT CLAIMANT(S)**

Name and address must be given even if the claimant is the same as the author given in space 2. □

**TRANSFER**

The claimant(s) named here in space 4 are different from the author(s) named in space 2, give a brief statement of how the claimant(s) obtained ownership of the copyright. □

**ADDRESS**

American Society for Testing & Materials

1916 Race Street

Philadelphia, PA 19103-1187

**FACSIMILE**

□ Complete all applicable spaces (numbers 5-11) on the reverse side of this page

See detailed instructions

Sign the form at line 10

Page 1 of 2 pages
DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.

PREVIOUS REGISTRATION
Has registration for this issue, or for an earlier version of this particular issue, already been made in the Copyright Office?

☐ Yes ☐ No
If your answer is “Yes,” why is another registration being sought? (Check appropriate box) ▼

a. This is the first published version of an issue previously registered in unpublished form.

b. This is the first application submitted by this author as copyright claimant.

c. This is a changed version of this issue, as shown by space 6a on this application.

If your answer is “Yes” give:
Previous Registration Number ▼

TX# 4-089-426

Year of Registration ▼
1995

DERIVATIVE WORK OR COMPILATION
Complete both spaces 6a & 6b for a derivative work, complete only 6a for a compilation.

a. Preexisting Material Identify any preexisting work or works that this work is based on or incorporates. ▼

1995 Annual Book of ASTM Standards, Section 05, Volume 01.

b. Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. ▼

Compilation of previous published text plus additional text.

—space deleted—

REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS
A signature on this form at space 10, and a check in one of the boxes here in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind and physically handicapped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space 1 of this application in Braille or similar tactile symbols, or (2) phonorecords embodying a fixation of a reading of that work or (1) and (2) both.

□ Copies and Phonorecords
□ Copies Only
□ Phonorecords Only

DEPOSIT ACCOUNT
If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account.

Name ▼
American Society for Testing and Materials
Account Number ▼ PA 078328

CORRESPONDENCE
Give name and address to which correspondence about this application should be sent.

Name: Address: Aze City/State/Zip ▼
Robert L. Meltzer, ASTM
1916 Race Street
Philadelphia, PA 19103-1187
Area Code & Telephone Number ▼ 215-299-5431

CERTIFICATION
I, the undersigned, hereby certify that I am the author, other copyright claimant, owner of exclusive right(s) or authorized agent of American Society for Testing and Materials Name of author or other copyright claimant, or owner of exclusive right(s) ▼

(2) of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge.

Typed or printed name and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date.

Robert L. Meltzer

Handwritten signature (X) ▼

MAIL CERTIFICATE TO

Name ▼
Kathe Hooper, ASTM

Number Street Apartment Number ▼
1916 Race Street

City/State/Zip ▼
Philadelphia, PA 19103-1187

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