

EXHIBIT 110

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

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



TX 3-135-932

October 2, 2019

A handwritten signature in cursive script, reading "Kay A. Lusk".

United States Register of Copyrights and Director

FORM SE
UNITED STATES COPYRIGHT OFFICE
REGISTRATION NUMBER

TI 3 135 932

EFFECTIVE DATE OF REGISTRATION
JUL 23 1991
Month Day Year

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

TITLE OF THIS SERIAL
1991 Annual Book of ASTM Standards: ELECTRICAL CONDUCTORS

Volume 02 Number 02.03 Date on Copies MAY 1991 Frequency of Publication ANNUAL

PREVIOUS OR ALTERNATIVE TITLES

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

Was this contribution to the work a "work made for hire"? Yes No
AUTHOR'S NATIONALITY OR DOMICILE: Citizen of United States
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymously? Yes No Pseudonymous? Yes No

NATURE OF AUTHORSHIP: Collective Work Other: Entire Text NAME OF AUTHOR DATES OF BIRTH AND DEATH

Was this contribution to the work a "work made for hire"? Yes No
AUTHOR'S NATIONALITY OR DOMICILE: Citizen of Domiciled in
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymously? Yes No Pseudonymous? Yes No

NATURE OF AUTHORSHIP: Collective Work Other NAME OF AUTHOR DATES OF BIRTH AND DEATH

Was this contribution to the work a "work made for hire"? Yes No
AUTHOR'S NATIONALITY OR DOMICILE: Citizen of Domiciled in
WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymously? Yes No Pseudonymous? Yes No

3 a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED 1991 b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE U.S.A.

4 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

APPLICATION RECEIVED JUL 23 1991 ONE DEPOSIT RECEIVED TWO DEPOSITS RECEIVED JUL 23 1991 REMITTANCE NUMBER AND DATE

MORE ON BACK - Complete at applicable spaces (numbers 5-11) on the reverse side of this page - See attached instructions - Sign the form at line 10

TX 3 135 932

EXAMINED BY
CHECKED BY
CORRESPONDENCE

FORM 5E
FOR COPYRIGHT OFFICE USE ONLY

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," what 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.

5

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

TX 2 135 175

1990

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

1990 Annual Book of ASTM Standards, Section 02, Volume 07.03

6

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

Compilation of previous published text plus additional text.

See instructions before completing this space

-space deleted-

7

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 for Braille tactile symbols; or (2) phonorecords embodying a fixation of a reading of that work, or (3) both.

- Copies and Phonorecords
C Copies Only
P Phonorecords Only

8
See instructions

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

9
Be sure to give your daytime phone number

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

American Society for Testing and Materials
Name of author or other copyright claimant, or owner of exclusive rights

10

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

6/11/91

Handwritten signature of Robert L. Meltzer

MAIL CERTIFICATE TO Certificate will be mailed in window envelope

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

11
- Complete all necessary spaces - Sign your certificate in space 10
1. Application fee
2. Miscellaneous \$20 filing fee in check or money order payable to Register of Copyrights
3. Deposit account
Register of Copyrights
Library of Congress
Washington, D.C. 20540

EXHIBIT 111

FORM SE

For a Serial
UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER



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



EFFECTIVE DATE OF REGISTRATION

12 10 1998
Month Day Year

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

1 TITLE OF THIS SERIAL ▼

1998 Annual Book of ASTM Standards: Thermal Insulation; Environmental Acoustics

Volume ▼	Number	Date on Copies ▼	Frequency of Publication ▼
04.06	04	November 1998	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2

a NAME OF AUTHOR ▼

American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Year Born Year Died ▼

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { 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. ▼

Collective Work Other: Entire Text

b NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ►
Domiciled in ►

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK
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Pseudonymous? Yes No
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c NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born ▼ Year Died ▼

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 No

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Name of Country
OR { Citizen of ►
Domiciled in ►

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.

Collective Work Other:

3

a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

1998 Year

b DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

Complete this information ONLY if this work has been published. Month ► November Day ► 10 Year ► 1998 United States Nation

4

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 19428-2959

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 10.13.98
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED 10.13.98
REMITTANCE NUMBER AND DATE

See instructions before completing this space.

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 HERE Page 1 of 2 pages

EXAMINED BY

FORM SE

CHECKED BY

CORRESPONDENCE Yes

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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 ▼

5

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 04, Volume 04.06

6

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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---space deleted---

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- a. Copies and Phonorecords
- b. Copies Only
- c. Phonorecords Only

See instructions

8

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

9

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) 832-9634

Be sure to give your daytime phone number.

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

Check only one ▶

- 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) ▲

10

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

date ▶ 11-25-98

Handwritten signature (X) ▼ Robert L. Meltzer

MAIL CERTIFICATE TO

Certificate 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

USE MUST
 • Complete all necessary spaces
 • Sign your application in space 10

SEND TO: REGISTER OF COPYRIGHTS
 LIBRARY OF CONGRESS
 WASHINGTON, D.C. 20559

1. Application form
 2. Nonrefundable \$20 filing fee in check or money order payable to Register of Copyrights
 3. Deposit material

REGISTER OF COPYRIGHTS
 Library of Congress
 Washington, D.C. 20559

11

The Copyright Office has the authority to adjust fees at 5-year intervals, based on changes in the Consumer Price Index. The next adjustment is due in 1996. Please contact the Copyright Office after July 1996 to determine the actual fee schedule.

*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 112

FORM SE
UNITED STATES COPYRIGHT OFFICE
REGISTRATION NUMBER

TX 2 153 942

U
EFFECTIVE DATE OF REGISTRATION
9 14 87
Month Day Year

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

1

TITLE OF THIS SERIAL ▼
1987 Annual Book of ASTM Standards, General Test Methods, Nonmetal Laboratory Apparatus; Statistical Methods; Appearance of Metals Durability of Nonmetallic Materials

Volume ▼ 14.01 Number ▼ 14 Date on Copies ▼ June 1987 Frequency of Publication ▼ Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2

a NAME OF AUTHOR ▼
American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▼ United States
Domiciled in ▼

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. ▼
Entire Text

Collective Work Other:

b NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ▼
Domiciled in ▼

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Collective Work Other:

c NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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 No

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Name of Country
OR { Citizen of ▼
Domiciled in ▼

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. ▼

Collective Work Other:

3 YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED
1987
This information must be given in all cases.

4 DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
September 24 1987
U. S. A.
Complete this information ONLY if this work has been published.

4 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

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APPLICATION RECEIVED
SEP 14 1987
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
SEP 14 1987
REMITTANCE NUMBER AND DATE

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 HERE
Page 1 of 2 pages

NOTE
Under the law, the "author" of a



CHECKED BY

- CORRESPONDENCE Yes
- DEPOSIT ACCOUNT FUNDS USED

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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.

5

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

TX 1-896-314

1986

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 ▼

~~1986 Annual Book of ASTM Standards Section 14 Volume 14.01~~

6

- 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.~~

See instructions before completing this space

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 ▼ Places of Manufacture ▼

~~Waverly Press, Inc.~~

~~Easton, MD~~

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- a. Copies and Phonorecords
- b. Copies Only
- c. Phonorecords Only

See instructions

8

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 ▼

9

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

R. L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103

Area Code & Telephone Number ▶

215-299-5431

Be sure to give your daytime phone number

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

Check one ▶

- 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 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.

10

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 ▶ 8/24/87



Handwritten signature (X) ▼

MAIL CERTIFICATE TO

Certificate will be mailed in window envelope

Name ▼

Kathe Scholl, ASTM

Number/Street/Apartment Number ▼

1916 Race Street

City/State/Zip ▼

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?

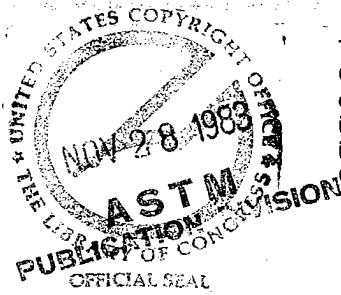
MAIL TO: Register of Copyrights, Library of Congress, Washington, D.C. 20559

11

* 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 113

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.

Anna Reed

REGISTER OF COPYRIGHTS
United States of America

FORM SE
UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TX 1-210-036

EFFECTIVE DATE OF REGISTRATION

10 20 83
Month Day Year

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

1

TITLE OF THIS SERIAL ▼ 1983 Annual Book of ASTM Standards Section 12, Volume 12.02
Nuclear (II), Solar, and Geothermal Energy

Volume ▼ Number ▼ Date on Copies ▼ Frequency of Publication ▼

PREVIOUS OR ALTERNATIVE TITLES ▼

2

NAME OF AUTHOR ▼
a American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ►
Domiciled in ► U.S.A.

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. ▼
 Collective Work Other: Entire Text

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.

b

NAME OF AUTHOR ▼
Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of country
OR { Citizen of ►
Domiciled in ►

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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. ▼
 Collective Work Other:

c

NAME OF AUTHOR ▼
Was this contribution to the work a "work made for hire"?
 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR { Citizen of ►
Domiciled in ►

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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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. ▼
 Collective Work Other:

3

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED This information must be given in all cases. 1983
DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE Complete this information ONLY if this work has been published. Month ► September Day ► 25 Year ► 1983 United States

4

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. ▼

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APPLICATION RECEIVED
20 OCT 1983

ONE DEPOSIT RECEIVED

TWO DEPOSITS RECEIVED
20 OCT 1983

REMITTANCE NUMBER AND DATE

17182 OCT 20 83

See instructions before completing this space.

ASTM000003

EXHIBIT 114

TX 4-512-210



EFFECTIVE DATE OF REGISTRATION

JUL 08 1997

Month Day Year

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: *General Methods and Instrumentation; General Test Methods, Nonmetal; Chromatography; Durability of Nonmetallic Materials; Forensic Sciences; Laboratory Apparatus; Statistical Methods*

Volume 14 Number 02 Date on Copies July 1997 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

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

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country
OR 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.

Collective Work Other Entire Text

NAME OF AUTHOR

DATES OF BIRTH AND DEATH

Year Born Year Died

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

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country
OR Citizen of
Domiciled in

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

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Pseudonymous? Yes No

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Collective Work Other

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DATES OF BIRTH AND DEATH

Year Born Year Died

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

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country
OR Citizen of
Domiciled in

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.

Collective Work Other

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED
1997

This information must be given in all cases.

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

Complete this information ONLY if this work has been published. Month: June Day: 23 Year: 1997 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.

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

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APPLICATION RECEIVED
JUL 08 1997

ONE DEPOSIT RECEIVED

TWO DEPOSITS RECEIVED

JUL 08 1997

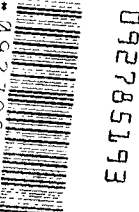
REMITTANCE NUMBER AND DATE

DO NOT WRITE HERE OFFICE USE ONLY

DO NOT WRITE HERE

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

NOTE:



See instructions before completing this space

EXAMINED BY
CHECKED BY AWD

CORRESPONDENCE
Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

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) ▼

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

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

3. 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 ▼

TH# 4-323-636 1996

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. ▼

1997 Annual Book of ASTM Standards, Section 4, Volume 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.

See instructions
before completing
this space

—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 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

See instructions

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 ▼ DA078328

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

Robert L. Meltzer, ASTM

100 Barr Harbor Drive

West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ 610-832-9632

Be sure to
give your
daytime phone
number

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

Check one ▶

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 right(s) ▶

if 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

date ▶ July 2, 1997

Handwritten signature (X) ▼

MAIL CERTIFICATE TO

Name ▼	Judy Helm, ASTM
Number Street Apartment Number ▼	100 Barr Harbor Drive
City State ZIP ▼	West Conshohocken, PA 19428-2959

Certificate will be mailed in window envelope

YOU MUST

- Complete all necessary spaces
- Sign your application in space 10

RETURN ALL ELEMENTS IN THE SAME PACKAGE

1. Application form
2. Nonrefundable \$20 filing fee in check or money order payable to Register of Copyrights
3. Deposit material

REGISTER

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

Copyright fees are adjusted at 5-year intervals, based on increases or decreases in the Consumer Price Index. The next adjustment is due in 1998. Contact the Copyright Office in January 1998 for the new fee schedule.

* 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 115



REGISTRATION NUMBER

TX 3-972-349



EFFECTIVE DATE OF REGISTRATION

FEB 01 1995

Month Day Year

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

TITLE OF THIS SERIAL ▼
1994 Annual Book of ASTM Standards: *Building Seals and Sealants, Fire Standards; Building Construction; Dimension Stone*

Volume ▼ **Number** ▼ **Date on Copies** ▼ **Frequency of Publication** ▼
04 07 November Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

a 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 OR { 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. ▼

Collective Work Other: Entire Text

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

Was this contribution to the work a "work made for hire"? Yes No
AUTHOR'S NATIONALITY OR DOMICILE
Name of country OR { Citizen of _____ Domiciled in _____

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. ▼

Collective Work Other: _____

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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

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. ▼

Collective Work Other: _____

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED This information must be given in all cases. 1994 ◀ Year
DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE Complete this information ONLY if this work has been published. Month January Day 19 Year 1995
U.S.A. ◀ 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 & Materials
1916 Race Street
Philadelphia, PA 19103-1187

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
FEB 01 1995
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
FEB 01 1995
REMITTANCE NUMBER AND DATE

DO NOT WRITE HERE OFFICE USE ONLY

EXAMINED BY

SR

FORM SE

CHECKED BY

db

CORRESPONDENCE
Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

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 ▼

TX# 3-735-6025

Year of Registration ▼

1993

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

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

1993 Annual Book of ASTM Standards, Section 04, Volume 07.

2. 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.

See instructions
before completing
this space.

—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 6 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

See instructions

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**

Be sure to
give your
daytime phone
number

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

Check one ▶

- 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 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

date ▶ **January 19, 1995**

Handwritten signature (X) ▼

Robert L. Meltzer

MAIL
CERTIFI-
CATE TO

Certificate
will be
mailed in
window
envelope

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

YOU MUST
• Complete all necessary spaces
• Sign your application in space 10

**SEND ALL CHECKS
IN THE SAME PAYEE PAGE**

1. Application form
2. Nonrefundable \$20 filing fee in check or money order payable to Register of Copyrights
3. Deposit material

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

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 116

Office, give name of account
y, should be sent:
ace St., Phila., Pa. 19103

Page 1

Application for Registration of a Claim to Copyright in a published book manufactured in the United States of America

FORM A	
CLASS	REGISTRATION NO.
A A	257751
DO NOT WRITE HERE	

Instructions: Make sure that all applicable spaces have been completed before you submit the form. The application must be **SIGNED AND NOTARIZED** (line 11) **must be COMPLETED AND NOTARIZED**. 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.

Pages 1 and 2 should be typewritten or printed with pen and ink. Pages 3 and 4 should contain exactly the same information as pages 1 and 2, but may be carbon copies. Mail all pages of the application to the Register of Copyrights, Library of Congress, Washington, D.C. 20540, together with 2 copies of the best edition of the work and the registration fee of \$6. Make your remittance payable to the Register of Copyrights.

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.

Name American Society for Testing and Materials
Address 1916 Race St., Phila., Pa. 19103

2. Title: Part 30 - 1971 Annual Book of ASTM Standards: General Testing Methods;
(Give the title of the book as it appears on the title page)

Radioisotopes and Radiation Effects; Statistical Methods; Appearance of Materials; Emission, Molecular and Mass Spectroscopy; Sensory Evaluation of Materials and Products; Chromatography; Temperature Measurement; Space Simulation; Resinography; Microscopy; Deterioration of Nonmetallic Materials

3. Authors: 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.

Name American Society for Testing and Materials Citizenship U.S.
(Give legal name followed by pseudonym if latter appears on the copies) (Name of country)

Domiciled in U.S.A. Yes No Address 1916 Race St., Phila., Pa. 19103

Name _____ Citizenship _____
(Give legal name followed by pseudonym if latter appears on the copies) (Name of country)

Domiciled in U.S.A. Yes _____ No _____ Address _____

Name _____ Citizenship _____
(Give legal name followed by pseudonym if latter appears on the copies) (Name of country)

Domiciled in U.S.A. Yes _____ No _____ Address _____

4. 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.

15 July 1971
(Month) (Day) (Year)

5. 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 for the first time in this version. New matter may consist of compilation, translation, abridgment, editorial revision, and the like, as well as additional text or pictorial matter.

Compilation of previously published texts and additional text

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

6. 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. Copyright Office? Yes _____ No _____

If your answer is "Yes," give registration number _____

EXAMINER
[Signature]

Complete all applicable spaces on next page

FORMED SUCH TYPESETTING
PRINTING AND BINDING, ETC.)
Maryland (U.S.A.)
Date given above
1971
Philadelphia, Philadelphia Co.
Expires January 20, 1975

I acknowledge
I am the
in the book described in this
person or organization claiming
in this application.

Page 2

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 Address 1916 Race St., Phila., Pa.

9. Send certificate to:
(Type or print name and address) Address
American Society for Testing and Materials
1916 Race Street (Number and street)
Phila., Pa. 19103 (State) (ZIP code)
(City)

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.

Albert L. Batik (Signature of copyright claimant or duly authorized agent)

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. (3) Have the officer sign and seal the affidavit and fill in the date of execution.

NOTE: The affidavit must be signed and notarized only on or after the date of publication or completion of printing which it states.
The affidavit must be signed by an individual.
STATE OF Pennsylvania }
COUNTY OF Philadelphia } ss:

I, the undersigned, depose and say that I am the
 Person claiming copyright in the book described in this application;
 Duly authorized agent of the person or organization claiming copyright in the book described in this application;
 Printer of the book described in this application.

That the book was published or the printing was completed on: (X) 15 July 1971 (Give month, day, and year)

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. That such typesetting, platemaking, lithographic or photoengraving process, printing, and binding were performed by the following establishments or individuals at the following addresses:

(GIVE THE NAMES AND ADDRESSES OF THE PERSONS OR ORGANIZATIONS WHO PERFORMED SUCH TYPESETTING OR PLATE MAKING OR LITHOGRAPHIC PROCESS OR PHOTOENGRAVING PROCESS OR PRINTING AND BINDING, ETC.)
Names (X) WAVERLY PRESS, INC. Addresses (X) Easton, Maryland (U.S.A.)

Albert L. Batik (Signature of affiant)
(Sign and notarize only on or after date given above)

PLACE NOTARIAL SEAL HERE

Subscribed and sworn to before me this 27th day of July, 1971, affirmed.
Mae E. Turner (Signature of Notary Public) Philadelphia, Philadelphia Co.

FOR COPYRIGHT OFFICE USE ONLY My Commission Expires January 20, 1975

Application and affidavit received	
JUL 23 1971	
Two copies received	
JUL 23 1971	
Fee received	7710 JUL 23 '71
Renewal	

Page 1 Application for Registration in a published book manufactured

Instructions: Make sure that all applicable information is completed before you submit the form. The application must be COMPLETED AND NOTARIZED. The application must be submitted until after the date of publication, and should state the facts which exist at the time of filing. For further information, see page 4.

1. Copyright Claimant(s) and Address (Name(s) should be the same as in the notice of publication)
Name University of Washington
Address Seattle, Washington

2. Title: Roads and Trails

3. Authors: Citizenship and domicile of author. Where a work was made for the author. The citizenship of organization. Federal or State law should be indicated.
Name Frederic
(Give legal name for author)

Domiciled in U.S.A. Yes X

Name (Give legal name for author)

Domiciled in U.S.A. Yes

Name (Give legal name for author)

Domiciled in U.S.A. Yes

4. Date of Publication of Title: date when copies of this part were first on sale, sold, or publicly distributed.

(NOTE) 5. New Matter in This Version: If the work has been previously published, give a general statement of the nature of the new matter.
Editorial

NOTE: Leave blank

6. Book in English Previously Manufactured: If the book has been previously manufactured in English, give the date of first publication.

Date of first publication

If your answer is "Yes,"

EXHIBIT 117

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

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



TX 565-132

October 2, 2019

A handwritten signature in blue ink, reading "Kay A. Leahy".

United States Register of Copyrights and Director

FORM TX

UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER	
TX	565-132
TX	TXU
EFFECTIVE DATE OF REGISTRATION	
14	14 OCT 1980
(Month)	(Day) (Year)

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

1 Title	TITLE OF THIS WORK: 1980 Annual Book of ASTM Standards, Part 10: Metals-Physical, Mechanical, Corrosion Testing <small>If a periodical or serial give: Vol. No Issue Date</small>	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 _____ Vol _____ No _____ Date _____ Pages _____	

2 Author(s)	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 <small>Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No</small>		DATES OF BIRTH AND DEATH: Born _____ (Year) Died _____ (Year)
	1	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of _____ } or { Domiciled in U.S.A. <small>(Name of Country) (Name of Country)</small>	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No <small>If the answer to either of these questions is "Yes," see detailed instructions attached.</small>
	AUTHOR OF: (Briefly describe nature of this author's contribution) Entire Text		
	NAME OF AUTHOR: <small>Was this author's contribution to the work a "work made for hire"? Yes No</small>		DATES OF BIRTH AND DEATH: Born _____ (Year) Died _____ (Year)
	2	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of _____ } or { Domiciled in _____ <small>(Name of Country) (Name of Country)</small>	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No <small>If the answer to either of these questions is "Yes," see detailed instructions attached.</small>
	AUTHOR OF: (Briefly describe nature of this author's contribution)		
	NAME OF AUTHOR: <small>Was this author's contribution to the work a "work made for hire"? Yes No</small>		DATES OF BIRTH AND DEATH: Born _____ (Year) Died _____ (Year)
	3	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of _____ } or { Domiciled in _____ <small>(Name of Country) (Name of Country)</small>	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK: Anonymous? Yes No Pseudonymous? Yes No <small>If the answer to either of these questions is "Yes," see detailed instructions attached.</small>
AUTHOR OF: (Briefly describe nature of this author's contribution)			

3 Creation and Publication	YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year 1980 <small>(This information must be given in all cases)</small>	DATE AND NATION OF FIRST PUBLICATION: Date September 5, 1980 <small>(Month) (Day) (Year)</small> Nation United States <small>(Name of Country)</small> <small>(Complete this block ONLY if this work has been published.)</small>
-------------------------------	--	---

4 Claimant(s)	NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing & 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

EXAMINED BY: <i>[Signature]</i>	APPLICATION RECEIVED: <i>[Signature]</i>	FOR COPYRIGHT OFFICE USE ONLY
CHECKED BY: <i>[Signature]</i>	DEPOSIT RECEIVED: 10/14/80	
CORRESPONDENCE: <input type="checkbox"/> Yes	REMITTANCE NUMBER AND DATE: 12461 OCT 14 80	
DEPOSIT ACCOUNT FUNDS USED: <input type="checkbox"/>		

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

<p>PREVIOUS REGISTRATION:</p> <ul style="list-style-type: none"> Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes <input checked="" type="checkbox"/> No If your answer is "Yes," why is another registration being sought? (Check appropriate box) <ul style="list-style-type: none"> <input type="checkbox"/> This is the first published edition of a work previously registered in unpublished form <input type="checkbox"/> This is the first application submitted by this author as copyright claimant <input checked="" type="checkbox"/> 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 343-482 Year of Registration 1979 	<p>5</p> <p>Previous Registration</p>
--	--

<p>COMPILATION OR DERIVATIVE WORK: (See instructions)</p> <p>PREEXISTING MATERIAL. (Identify any preexisting work or works that this work is based on or incorporates.)</p> <p>{ 1979 Annual Book of ASTM Standards, Part 10</p> <p>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.)</p> <p>{ Compilation of previously published text plus additional text</p>	<p>6</p> <p>Compilation or Derivative Work</p>
--	---

<p>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.)</p> <p>NAMES OF MANUFACTURERS: Waverly Press, Inc.</p> <p>PLACES OF MANUFACTURE: Easton, Maryland</p>	<p>7</p> <p>Manufacturing</p>
---	--------------------------------------

<p>REPRODUCTION FOR USE OF BLIND OR PHYSICALLY-HANDICAPPED PERSONS: (See instructions)</p> <ul style="list-style-type: none"> 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. <p>a <input checked="" type="checkbox"/> Copies and phonorecords b <input type="checkbox"/> Copies Only c <input type="checkbox"/> Phonorecords Only</p>	<p>8</p> <p>License For Handicapped</p>
--	--

<p>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.)</p> <p>Name: _____</p> <p>Account Number: _____</p>	<p>CORRESPONDENCE: (Give name and address to which correspondence about this application should be sent.)</p> <p>Name: Robert L. Meltzer</p> <p>Address: ASTM 1916 Race Street Philadelphia, Pa. 19105 (City) (State) (ZIP)</p>	<p>9</p> <p>Fee and Correspondence</p>
--	--	---

<p>CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one)</p> <p><input type="checkbox"/> author <input type="checkbox"/> other copyright claimant <input type="checkbox"/> owner of exclusive right(s) <input checked="" type="checkbox"/> authorized agent of</p> <p>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</p> <p>Handwritten signature (X) <i>[Signature]</i></p> <p>Typed or printed name: Robert L. Meltzer</p> <p>Date: 9/15/80</p>	<p>10</p> <p>Certification (Application must be signed)</p>
--	--

<p>American Society for Testing & Materials 1916 Race Street Philadelphia, Pa. 19105 (City) (State) (ZIP code)</p>	<p>MAIL CERTIFICATE TO</p> <p>(Certificate will be mailed in window envelope)</p>	<p>11</p> <p>Address For Return of Certificate</p>
--	--	---

* 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 118

CERTIFICATE OF COPYRIGHT REGISTRATION

FORM SE

UNITED STATES COPYRIGHT OFFICE



OFFICIAL SEAL

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.

REGISTER OF COPYRIGHTS
United States of America

REGISTRATION NUMBER

TX 1 846 704

EFFECTIVE DATE OF REGISTRATION

7 7 86
Month Day Year

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

1

TITLE OF THIS SERIAL **1986 Annual Book of ASTM Standards, General Test Methods, Nonmetal; Laboratory Apparatus, Statistical Methods; Appearance of Materials; Durability of Nonmetallic Materials**

Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication ▼
14.02	14	June 1986	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2

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

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: **United States**
OR { Citizen of: **U.S.A.**
Domiciled in: **U.S.A.**

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

NOTE

Under the law, the "author" of a "work made for hire" is generally the employer.

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

NAME OF AUTHOR ▼ **Entire Text**

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of country: **United States**
OR { Citizen of: **U.S.A.**
Domiciled in: **U.S.A.**

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

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

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country: **U.S.A.**
OR { Citizen of: **U.S.A.**
Domiciled in: **U.S.A.**

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

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 **30** Year **1986**
Complete this information ONLY if this work has been published. **U.S.A.**

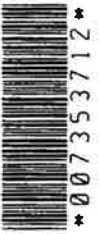
COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2. ▼

**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
JUL 07 1986
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
JUL 07 1986
REMITTANCE NUMBER AND DATE

215553712



3
4

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lpc

CORRESPONDENCE Yes

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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 ▼

TX 1-626-727

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.

See instruction before complete this space.

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

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Phonorecords Only

See instruction

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 ▼

R. L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103

Area Code & Telephone Number ▶

215-299-5431

Be sure to give your daytime phone number.

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) ▶

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 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 ▶ 6/30/86



Handwritten signature

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

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?

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

EXHIBIT 119



OFFICIAL SEAL

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.

FORM SE

UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TX 3 889 742

Barbara Ringer
ACTING REGISTER OF COPYRIGHTS
United States of America

EFFECTIVE DATE OF REGISTRATION

OCT 06 1993
Month Day Year

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

TITLE OF THIS SERIAL

1993 Annual Book of ASTM Standards: Pesticides, Resources Recovery, Hazardous Substances and Oil Spill Responses, Waste Management, Biological Effects

Volume 11 Number 04 Date on Copies August 1993 Frequency of Publication Annual

PREVIOUS OR ALTERNATIVE TITLES

NAME OF AUTHOR

American Society for Testing and Materials

DATES OF BIRTH AND DEATH

Was this contribution to the work a "work made for hire"?
[X] Yes
[] No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country
OR Citizen of United States
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.

[] Collective Work Other: Entire Text

NAME OF AUTHOR

DATES OF BIRTH AND DEATH

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

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country
OR Citizen of
Domiciled in

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

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[] Collective Work Other:

NAME OF AUTHOR

DATES OF BIRTH AND DEATH

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[] Yes
[] No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country
OR Citizen of
Domiciled in

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.

[] Collective Work Other:

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

1993 Year

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

Month July Day 28 Year 1993
U.S.A. Nation

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American Society for Testing & Materials
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Philadelphia, PA 19103-1187

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MORE ON BACK

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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 ▼

TX# 3 450-279

1992

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 11, Volume 04.

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—

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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/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)

authorized agent of **American Society for Testing and Materials**
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.

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 ▶ 8/11/93

Handwritten signature (X) ▼

Robert L. Meltzer

MAIL CERTIFICATE TO

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

Certificate will be mailed in window envelope

- Complete all necessary spaces
- Sign your application in space 9

1. Application form
2. Nonrefundable \$20 filing fee in check or money order payable to Register of Copyrights
3. Deposit material

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

* 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 connection with the application, shall be fined not more than \$2,500.

EXHIBIT 120

CERTIFICATE OF REGISTRATION

FORM SE For a Serial UNITED STATES COPYRIGHT OFFICE REGISTRATION NUMBER



OFFICIAL SEAL

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

TX 4-571-119



TX0004571119

EFFECTIVE DATE OF REGISTRATION

OCT 22 1997 Month Day Year

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: BUILDING SEALS AND SEALANTS; FIRE STANDARDS; DIMENSION STONE

Volume: PA 07 Number: 04 Date on Copies: NOVEMBER 1997 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

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

AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of Domiciled in United States

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

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

Collective Work Other: Entire Text

NAME OF AUTHOR

DATES OF BIRTH AND DEATH Year Born Year Died

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

AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of Domiciled in

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

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

Collective Work Other:

NAME OF AUTHOR

DATES OF BIRTH AND DEATH Year Born Year Died

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

AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of Domiciled in

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

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

Collective Work Other:

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED 1997

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE Month: OCT Day: 10 Year: 1997 U.S.A. Nation

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

APPLICATION RECEIVED OCT 22 1997 ONE DEPOSIT RECEIVED TWO DEPOSITS RECEIVED OCT 22 1997 REMITTANCE NUMBER AND DATE

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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CKM

FORM SE

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CKM

CORRESPONDENCE
Yes

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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 ▼

TH#

1996

5

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

6

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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7

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8

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 ▼ # DA078328

9

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

Robert L. Meltzer, ASTM
100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Area Code & Telephone Number ▶ 610-832-9632

Be sure to give your day/me phone number

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

Check one ▶

- 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 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.

10

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 ▶ 11/1/92

Handwritten signature (X) ▼
Robert L. Meltzer

MAIL CERTIFICATE TO

Name ▼	<u>Kathe Hooper, ASTM</u>
Number Street Apartment Number ▼	<u>100 Barr Harbor Drive</u>
City State ZIP ▼	<u>West Conshohocken, PA 19428-2959</u>

Certificate will be mailed in window envelope

YOU MUST

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- Sign your application in space 10

SEND ALL ELEMENTS OF THE MAIL PACKAGE

1. Application form
2. Nonrefundable \$20 filing fee in check or money order payable to Register of Copyrights
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Register of Copyrights
Library of Congress
Washington, D.C. 20559

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11

* 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 121

CERTIFICATE OF COPYRIGHT REGISTRATION

FORM SE

UNITED STATES COPYRIGHT OFFICE



OFFICIAL SEAL

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.

REGISTER OF COPYRIGHTS
United States of America

REGISTRATION NUMBER

TX 2-407 753

EFFECTIVE DATE OF REGISTRATION

9 23 88
Month Day Year

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

1

TITLE OF THIS SERIAL ▼
1988 Annual Book of ASTM Standards, Pesticides; Resource Recovery; Hazardous Substances & Oil Spill Response; Waste Disposal; Biological Effects

Volume ▼	Number ▼	Date on Copies ▼	Frequency of Publication ▼
11.04	11	August 1988	Annual

PREVIOUS OR ALTERNATIVE TITLES ▼

2

a NAME OF AUTHOR ▼ American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country OR { Citizen of ► United States
Domiciled in ►

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

NOTE

Under the law, the "author" of a "work made for hire" is the employer or the person for whom the work was prepared, if the work was created by an individual in the course of his or her regular employment, by a member of a partnership, by an independent contractor who is not a partner, or by a contractor who is not an independent contractor.

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other: Entire text

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

b NAME OF AUTHOR ▼

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of country OR { Citizen of ►
Domiciled in ►

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

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other:

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

c NAME OF AUTHOR ▼

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country OR { Citizen of ►
Domiciled in ►

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

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼
 Collective Work Other:

DATES OF BIRTH AND DEATH
Year Born ▼ Year Died ▼

3 YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED 1988
DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
August 30 1988
Month Day Year U. S. A.

4 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

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SEP 23 1988
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TWO DEPOSITS RECEIVED
SEP 23 1988

REMITTANCE NUMBER AND DATE

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. ▼

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020632834

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MHT

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TX 2-407 753

- CORRESPONDENCE Yes
- DEPOSIT ACCOUNT FUNDS USED

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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 ▼

TX 2-193-676

1987

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. ▼

1987 Annual Book of ASTM Standards Section 11 Volume 11.04

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.

See instr before com this space.

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

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a. Copies and Phonorecords

b. Copies Only

c. Phonorecords Only

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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 ▼

R. L. Meltzer, ASTM

1916 Race Street

Philadelphia, PA 19103

Area Code & Telephone Number ▶

215-299-5431

Be sure give you daytime number.

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

Check one ▶

- author
- other copyright claimant
- owner of exclusive right(s)
- authorized agent of

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.

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 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 09/23/88

Handwritten signature (X) Robert L. Meltzer

MAIL CERTIFICATE TO

Certificate will be mailed in window envelope

Name ▼	Kathe Scholl, ASTM
Number/Street/Apartment Number ▼	1916 Race Street
City/State/ZIP ▼	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?

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

* 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 122

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

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



TX 3-128-183

October 2, 2019

A handwritten signature in blue ink, reading "Kay A. Leahy".

United States Register of Copyrights and Director

FORM SE
UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TX 3 128 183

EFFECTIVE DATE OF REGISTRATION

APR 25 1991

March Day Year

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

TITLE OF THIS SERIAL

1991 Annual Book of ASTM Standards: ROAD AND PAVING MATERIALS,
Pavement Management Technologies

Volume

04

Number

04.03

Date on Copies

APRIL 1991

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

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

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

Citizen of United States
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 attached instructions

NATURE OF AUTHORSHIP

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

Collective Work Other: Entire Text

NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

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

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

Citizen of
Domiciled in

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 attached instructions

NATURE OF AUTHORSHIP

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

Collective Work Other:

NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

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

Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

Citizen of
Domiciled in

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 attached instructions

NATURE OF AUTHORSHIP

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

Collective Work Other:

3 a YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED

1991

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE

U.S.A. 4 10 91

4 b 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

APPLICATION RECEIVED

APR 25 1991

ONE DEPOSIT RECEIVED

TWO DEPOSITS RECEIVED

APR 25 1991

REMITTANCE NUMBER AND DATE

MORE ON BACK

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

DO NOT WRITE HERE

655511440
655511440

NOTE

Under 17 U.S.C. 101, the "author" of a work made for hire is generally the employer or the employer's agent. For any part of this work that was "made for hire" check "Yes" in the space provided. Give the employer for other person for whom the work was prepared) as "Author" of this part, and leave the space for dates of birth and death blank.

TX 3 128 183

EXAMINED BY *[Signature]* FORM SE
 CHECKED BY *[Signature]*
 CORRESPONDENCE
 Yes

FOR COPYRIGHT OFFICE USE ONLY

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) 5

- 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 8 on this application.

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

TX 2 859 463

Year of Registration
1990

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
1990 Annual Book of ASTM Standards, Section 04, Volume 04.13 6

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. See instructions before completing this space

—space deleted— 7

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 7 of this application in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both. 8

- a. Copies and Phonorecords
- b. Copies Only
- c. Phonorecords Only See instructions

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 9

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. 10

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 *4/14/91*

Handwritten signature *Robert L. Meltzer*

MAIL CERTIFICATE TO

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

Certificates will be mailed in window envelope

Complete all necessary spaces
 Send your payment in space 10

1. Application form
 2. Non-refundable \$20 filing fee in check or money order payable to Registrar of Copyrights
 3. Deposit account

Registrar of Copyrights
 Library of Congress
 Washington, D.C. 20540

11

EXHIBIT 123

FORM TX

UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER	
TX	339-441
<input checked="" type="checkbox"/> TXU	
EFFECTIVE DATE OF REGISTRATION	
OCT 2 1979	
Month	Day Year

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

1 Title	TITLE OF THIS WORK: 1979 Annual Book of ASTM Standards, Part 46: End Use and Consumer Products If a periodical or serial give: Vol. No. Issue Date	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: Vol. No. Date Pages	

2 Author(s)	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.		
	1	NAME OF AUTHOR: American Society for Testing and Materials Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No	DATES 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 Country)	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 attached."
		AUTHOR OF: (Briefly describe nature of this author's contribution)	
	2	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes No	DATES OF BIRTH AND DEATH: Born (Year) Died (Year)
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of (Name of Country) } or { Domiciled in (Name of Country)	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 attached."
		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	DATES OF BIRTH AND DEATH: Born (Year) Died (Year)
		AUTHOR'S NATIONALITY OR DOMICILE: Citizen of (Name of Country) } or { Domiciled in (Name of Country)	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 attached."
	AUTHOR OF: (Briefly describe nature of this author's contribution)		

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year 1979 (This information must be given in all cases)	DATE AND NATION OF FIRST PUBLICATION: Date August 2 1979 (Month) (Day) (Year) Nation United States (Name of Country) (Complete this block ONLY if this work has been published)
---	---

NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing & 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.)

All applicable spaces (numbers 5-11) on the reverse side of this page
 and instructions attached
 Form at line 10

TX 339-441	EXAMINED BY: <i>DL</i>	APPLICATION RECEIVED: <i>07.92</i>	FOR COPYRIGHT OFFICE USE ONLY
	CHECKED BY: <i>LB</i>	<i>07.92</i>	
	CORRESPONDENCE: <input type="checkbox"/> Yes	DEPOSIT RECEIVED: <i>07.92</i> <i>07.92</i>	
DEPOSIT ACCOUNT FUNDS USED: <input type="checkbox"/>	REMITTANCE NUMBER AND DATE 2041 OCT 279		

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 <input checked="" type="checkbox"/> No <input type="checkbox"/> • If your answer is "Yes," why is another registration being sought? (Check appropriate box) <input type="checkbox"/> This is the first published edition of a work previously registered in unpublished form. <input type="checkbox"/> This is the first application submitted by this author as copyright claimant. <input checked="" type="checkbox"/> 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 134-979 Year of Registration 1978	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div> <p style="text-align: center; margin: 5px 0;">Previous Registration</p>
---	---

COMPILATION OR DERIVATIVE WORK: (See instructions) PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates) { 1978 Annual Book of ASTM Standards, Part 46 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	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">6</div> <p style="text-align: center; margin: 5px 0;">Compilation or Derivative Work</p>
---	--

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.) <table style="width:100%; border: none;"> <tr> <td style="width: 50%; border: none;">NAMES OF MANUFACTURERS</td> <td style="width: 50%; border: none;">PLACES OF MANUFACTURE</td> </tr> <tr> <td style="border: none;">..... Waverly Press, Inc.</td> <td style="border: none;">..... Easton, MD.</td> </tr> </table>	NAMES OF MANUFACTURERS	PLACES OF MANUFACTURE Waverly Press, Inc. Easton, MD.	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">7</div> <p style="text-align: center; margin: 5px 0;">Manufactur- ing</p>
NAMES OF MANUFACTURERS	PLACES OF MANUFACTURE				
..... Waverly Press, Inc. 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 (3) both. a <input checked="" type="checkbox"/> Copies and phonorecords b <input type="checkbox"/> Copies Only c <input type="checkbox"/> Phonorecords Only	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">8</div> <p style="text-align: center; margin: 5px 0;">License For Handicapped</p>
---	---

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 (Apt.) Philadelphia, PA 19103 (City) (State) (ZIP)	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">9</div> <p style="text-align: center; margin: 5px 0;">Fee and Correspond- ence</p>
---	---	--

CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one) American Society for Testing and Materials <input type="checkbox"/> author <input type="checkbox"/> other copyright claimant <input type="checkbox"/> owner of exclusive right(s) <input checked="" type="checkbox"/> 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: (X) <i>Robert L. Meltzer</i> Typed or printed name: Robert L. Meltzer Date: 9/11/79	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">10</div> <p style="text-align: center; margin: 5px 0;">Certification (Applicant must be signed)</p>
---	---

<div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px 0;"> American Society for Testing & Materials <small>(Name)</small> 1916 Race Street <small>(Number, Street and Apartment Number)</small> Philadelphia, PA 19103 <small>(City) (State) (ZIP code)</small> </div>	<div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin: 10px 0;"> MAIL CERTIFICATE 26 OCT 1979 (Certificate will be mailed in window envelope) </div>	<div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">11</div> <p style="text-align: center; margin: 5px 0;">Address For Return of Certificate</p>
---	--	--

EXHIBIT 124

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

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



TX 3-450-276

October 1, 2019

Kary A. Lush

United States Register of Copyrights and Director

FORM SE
UNITED STATES COPYRIGHT OFFICE
REGISTRATION NUMBER

TX 3 450 276

U
EFFECTIVE DATE OF REGISTRATION
JAN 12 1993
Month Day Year

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

TITLE OF THIS SERIAL
1992 Annual Book of ASTM Standards: Electrical Insulating Liquids and Gases; Electrical Protective Equipment

Volume 10 Number 03 Date in Copies May Frequency of Publication Annual

PREVIOUS OR ALTERNATIVE TITLES

2

NAME OF AUTHOR
American Society for Testing and Materials

DATES OF BIRTH AND DEATH
Year Born Year Died

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of United States
Domiciled in United States

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

NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.
 Collective Work Other Entire Text

NAME OF AUTHOR

DATES OF BIRTH AND DEATH
Year Born Year Died

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

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

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

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

NAME OF AUTHOR

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Year Born Year Died

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 Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE
Name of Country
OR Citizen of
Domiciled in

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

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

YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED
1992

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR ISSUE
Month May Day 15 Year 1992 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.

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

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
JAN 12 1993
ONE DEPOSIT RECEIVED
TWO DEPOSITS RECEIVED
JAN 12 1993
REMITTANCE NUMBER AND DATE

DO NOT WRITE HERE OFFICE USE ONLY

NOTE Under the law.

054808487



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.

DO NOT WRITE HERE

EXAMINED BY

FORM 5E

CHECKED BY

TX 3 450 276

CORRESPONDENCE
Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY

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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 ▼

TX# 3 135-938

Year of Registration ▼

1991

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 ▼

1991 Annual Book of ASTM Standards, Section 10, Volume 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 8, 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 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 rights
- 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

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 ▶ December 29, 1992



Handwritten signature (X) ▼

Robert L. Meltzer

MAIL CERTIFICATE TO

Name ▼
Kathe Hooper, ASTM

Number: Street Apartment Number ▼
1916 Race Street

City State ZIP ▼
Philadelphia, PA 19103-1187

Certificate will be mailed in window envelope

- Complete all necessary spaces
- Sign your application in space 10

1. Application form
2. Non-refundable \$30 Reg fee in check or money order payable to Register of Copyrights
3. Deposit account

Register of Copyrights
Library of Congress
Washington, DC 20540

* 17 USC § 506(e) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 407 or in any other statement filed in connection with the application shall be fined not more than \$2,500

EXHIBIT 125

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

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



TX 565-140

October 1, 2019

A handwritten signature in blue ink, reading "Kay A. Lusk".

United States Register of Copyrights and Director

FORM TX

UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER	
TX	565-140
TX	TXU
EFFECTIVE DATE OF REGISTRATION	
14	00
(Month)	(Day)
1980	
(Year)	

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

1 Title	TITLE OF THIS WORK: 1980 Annual Book of ASTM Standards, Part 46: End Use and Consumer Products	PREVIOUS OR ALTERNATIVE TITLES:
	If a periodical or serial give Vol. No Issue Date	
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 Vol No Date Pages		

2 Author(s)	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 Was this author's contribution to the work a "work made for hire"? Yes <input checked="" type="checkbox"/> No		DATES OF BIRTH AND DEATH: Born (Year) Died (Year)
	1	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of (Name of Country) } or { Domiciled in U.S.A. (Name of Country)	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 attached
	AUTHOR OF: (Briefly describe nature of this author's contribution) Entire Text		
	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes No		DATES OF BIRTH AND DEATH: Born (Year) Died (Year)
	2	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of (Name of Country) } or { Domiciled in (Name of Country)	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 attached
	AUTHOR OF: (Briefly describe nature of this author's contribution)		
	NAME OF AUTHOR: Was this author's contribution to the work a "work made for hire"? Yes No		DATES OF BIRTH AND DEATH: Born (Year) Died (Year)
	3	AUTHOR'S NATIONALITY OR DOMICILE: Citizen of (Name of Country) } or { Domiciled in (Name of Country)	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 attached
AUTHOR OF: (Briefly describe nature of this author's contribution)			

3 Creation and Publication	YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED: Year 1980 (This information must be given in all cases.)	DATE AND NATION OF FIRST PUBLICATION: Date September 5, 1980 (Month) (Day) (Year) Nation United States (Name of Country) (Complete this block ONLY if this work has been published)
--------------------------------------	--	---

4 Claimant(s)	NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S): American Society for Testing & 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

EXAMINED BY: CHECKED BY: <i>RMB</i>	APPLICATION RECEIVED: 11 1980	FOR COPYRIGHT OFFICE USE ONLY
CORRESPONDENCE <input type="checkbox"/> Yes	DEPOSIT RECEIVED: 11 1980	
DEPOSIT ACCOUNT FUNDS USED <input type="checkbox"/>	REMITTANCE NUMBER AND DATE: 12461 OCT 14 80	

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

<p>PREVIOUS REGISTRATION:</p> <ul style="list-style-type: none"> Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office? Yes <input checked="" type="checkbox"/> No If your answer is "Yes," why is another registration being sought? (Check appropriate box) <ul style="list-style-type: none"> <input type="checkbox"/> This is the first published edition of a work previously registered in unpublished form <input type="checkbox"/> This is the first application submitted by this author as copyright claimant <input checked="" type="checkbox"/> 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 339-441 Year of Registration 1979 	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">5</div> <p>Previous Registration</p>
---	--

<p>COMPILATION OR DERIVATIVE WORK: (See instructions)</p> <p>PREEXISTING MATERIAL: (Identify any preexisting work or works that this work is based on or incorporates.)</p> <p>{ 1979 Annual Book of ASTM Standards, Part 46</p> <p>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.)</p> <p>{ Compilation of previously published text plus additional text</p>	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">6</div> <p>Compilation or Derivative Work</p>
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NAMES OF MANUFACTURERS	PLACES OF MANUFACTURE				
Waverly Press, Inc.	Easton, Maryland				

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<p>CERTIFICATION: * I, the undersigned, hereby certify that I am the: (Check one) American Society for Testing & Materials</p> <p><input type="checkbox"/> author <input type="checkbox"/> other copyright claimant <input type="checkbox"/> owner of exclusive right(s) <input checked="" type="checkbox"/> authorized agent of</p> <p>(Name of author or other copyright claimant or owner of exclusive right(s))</p> <p>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.</p> <p>Handwritten signature: (X) <i>Robert L. Meltzer</i></p> <p>Typed or printed name: Robert L. Meltzer</p> <p>Date: 9/25/80</p>	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">10</div> <p>Certification (Application must be signed)</p>
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<p style="text-align: center;">American Society for Testing & Materials</p> <p style="text-align: center;">(Name)</p> <p style="text-align: center;">1916 Race Street</p> <p style="text-align: center;">(Number, Street and Apartment Number)</p> <p style="text-align: center;">Philadelphia, Pa. 19103</p> <p style="text-align: center;">(City) (State) (ZIP code)</p>	<p>MAIL CERTIFICATE TO</p> <p>(Certificate will be mailed in window envelope)</p>	<div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; margin: 0 auto; display: flex; align-items: center; justify-content: center;">11</div> <p>Address For Return of Certificate</p>
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