



Your Portal for Standards, Testing, Learning & More

您運用標準文件、測試資訊、學習資源的入口網

# ASTM COMPASS資料庫使用教育訓練

涵堂資訊有限公司

# 簡報大綱

- ASTM組織簡介
- 標準文件介紹
- ASTM COMPASS收錄內容介紹
- 檢索技巧與個人化功能設定



# ASTM international 國際標準組織



ASTM INTERNATIONAL  
Helping our world work better



## 組織介紹

- ASTM international 國際標準組織 成立於1898年
- 世界上最早、最大的非營利性標準制定組織。
- 前身為美國材料暨測試學會 American Society of Testing and Materials
- 創辦人為 Charles Benjamin Dudley
- 全球都在使用ASTM標準
- 任何志願者都能成為ASTM會員並參與標準制訂
- 任務是制訂材料、產品、系統和檢測服務的標準及促進有關知識的發展。



**12,500+**  
Global ASTM  
Standards

**30,000+**  
Volunteer  
Members

**140+**  
Participating  
Countries

**120**  
Years of  
Operation

# ASTM 技術標準涵蓋領域

- Aerospace & Shipbuilding 航空&造船
- Agriculture 農業
- Asset Management 資產管理
- Automotive 自動機械
- Building & Construction 建築&建設
- Chemicals 化學
- Consumer Products 消費者產品
- Energy & Utilities 能源&公營事業
- Environment 環境
- Food Processing 食品加工
- Health Care & Medical Devices 健康照護及醫療設備
- Information Technology & Telecommunication 資訊科技&電信
- Manufacturing 製造
- Metals 金屬
- Mining & Mineral Processing 採礦&礦物加工
- Oil & Gas 石油&天然氣
- Pulp & Paper 紙漿&紙張
- Quality 品質
- Safety & Security 安全&防護
- Services 服務
- Sports & Leisure 運動&休閒
- Textiles & Leather 紡織品& 皮革製品
- Transportation & Logistics 交通工具&物流



# ASTM 技術標準委員會



# 標準介紹



# 標準介紹

- 標準是公開的文件，通過認可的機構，制定了規範和程序。
- 目的是確保材料、產品、方法或者服務符合其預期目標的宗旨並一貫的執行。
- 標準化的過程，是包含標準文件的開創、發展和應用。
- 標準是一種共同的語言，確定和建立質量安全標準。如果程序標準化，成本將降低。





# 標準型式

試驗方法(Test Method)	對產生試驗結果的材料、產品、系統或服務的一個或多個性質、特徵或性能進行辨別、測量和評估的過程
標準規範(Standard Specification)	材料、產品、系統或服務滿足一套要求的精確說明，也包括如何滿足每項要求的程序。
標準規程(Practice)	執行一個或多個不產生試驗結果的特定操作或功能的確定的過程。
標準術語(Terminology)	由術語、術語定義、術語描述、符號說明、縮寫等組成的一個檔。
標準指南(Guidance)	例如: F2974 - 17a 審核遊樂設施和設備的標準指南
標準分類(Standard Classification)	基於類似的特徵，例如:成分、原產地、性質或用途進行有系統的分組及劃分。範例: D 2000-05汽車應用的橡膠製品的標準分類系統



# ASTM標準在台灣

- 台灣經濟部標準檢驗局於2005年與ASTM簽署協議備忘錄
- 台灣省土木技師公會 → ASTM A6 , A673 , A709 , A992
- 長榮航太科技 → ASTM D429 , ASTM D95
- 華航 → ASTM B117-09 , B244-09 , D4052-09
- 全國公證(Intertek Testing Services) → ASTM E2149-10



.....還有更多



# 標準編號

■ 標準代號 + 字母分類代碼 + 標準序號 + 制定年份(修訂年份) + 修訂版次

標準序號後帶字母M的為公制單位標準  
不帶字母M的為英制單位標準

a.b.c.....表示修訂版次

字母分類代碼見「標準分類」

制定年限後面括弧內的年代為標準重新審定的年代

■ 示例：ASTM A34-2001

ASTM C685/C685M-2001

ASTM D4595-86 ( 2001 )

ASTM F2090-01a



# 標準編號分類代碼

- A: 黑色金屬 Ferrous Metals (鐵，錳，鉻，合金鋼，鋼鐵等)
- B: 有色金屬 Non-ferrous Metals (銅，鋁，粉末冶金材料，導線等)
- C: 水泥，陶瓷，混凝土與磚石材料 Cementitious, Ceramic, Concrete and Masonry Materials
- D: 其他各種材料 Miscellaneous Materials (石油產品，燃料，低強塑膠等)
- E: 雜類 Miscellaneous Subjects (金屬化學分析，耐火試驗，無損試驗，統計方法等)
- F: 特殊用途材料 Materials for Specific Applications (電子材料，防震材料，外科用材料等)
- G: 材料的腐蝕，變質與降級 Corrosion, Deterioration, and Degradation of Materials



# 標準在學術領域之應用

- 在全球關鍵科技領域中，獲取最新的研究發現。
- 對於石油、材料科學、能源、環境、土木建築、金屬、油漆、塑膠等領域的研究者，ASTM標準是必備的參考資料。



# ASTM 標準新訊



- 進入 ASTM 網站  
<https://www.astm.org/standardization-news/>
- 了解最新各產業的標準資訊

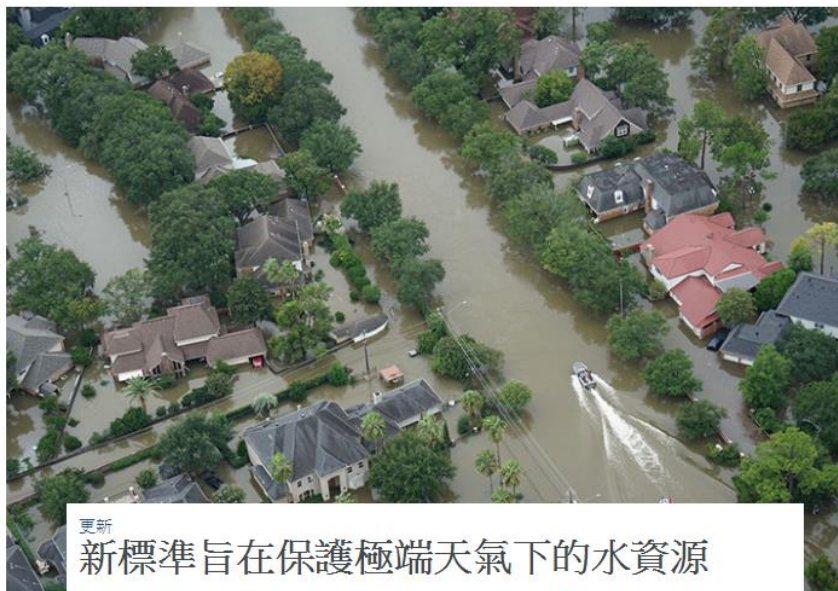




# ASTM 標準新訊

## ASTM標準化新聞

最新消息



更新

### 新標準旨在保護極端天氣下的水資源

新的ASTM國際標準旨在保護人造和天然水資源免受..... [更多](#)

行業：  
環境



行業部門

- 🔧 施工
- 🛒 消費產品
- ⚙️ 金屬和材料
- ⚠️ 安全
- 🌿 環境
- 🚚 運輸
- 🧪 化學製品
- ⚡ 能源
- ⚕️ 醫
- ⚖️ 質量

列

總統專欄  
面試

外展

### ASTM推出增材製造中心，以及更多.....

卓越添加劑製造中心發布7月23日，在奧本大學，ASTM國際組織正式推出其添加劑... [更多](#)



特徵

### 標準促進可持續發展

聯合國可持續發展目標於2016年正式成立，旨在消除貧困，保護地球，確保所有人的繁榮。.....

[更多](#)

行業：

建設 | 安全 | 環境 | 能源



# ASTM COMPASS收錄內容



<http://compass.astm.org>





# ASTM COMPASS 收錄內容介紹

## ASTM標準 STANDARDS

75,473篇

- ASTM現行標準(Active):  
13,355+ 篇
- ASTM歷史標準(Historical)  
52,272+ 篇
- ASTM廢止標準(Withdrawn)  
2351+ 篇
- 標準測試影片
- 支援多語言翻譯



## 數位圖書館 DIGITAL LIBRARY

45,889篇

- 期刊 Journals 17414+ 篇
- 技術文獻 Symposia Papers and STPs 27,685+ 篇
- 手冊及專題著作 Manual/Monographs 82本
- 數據套書 Data Series 45+ 本
- 會議論文 Proceedings
- 布告欄 Bulletins
- 材料搜尋和標準文件 Materials Research and Standards

## 線上課程 E-Learning

- 線上即時教學
- 標準教學影片及自我測驗
- 管理系統教學

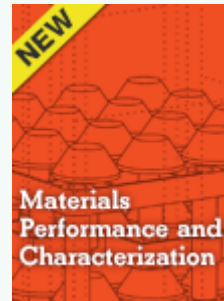
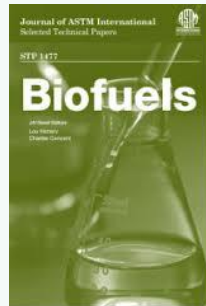
# ASTM COMPASS標準資料庫-提供全球即時的標準內容

- 超過13,500份現行(Active)的技術標準。
- 52,000份歷史(Historical)標準, 2,300份廢止(Withdrawn)標準。
- Work Item (WK)正在進行還未正式發表的標準
- Redline 標準:用色塊標示出前後修訂版本標準差異
- 約有35%的標準文件每年會進行修改。
- 強大的關鍵字或編號搜索。
- PDF或HTML格式的全文標準格式。



# ASTM DIGITAL LIBRARY 數位圖書館

- ASTM 數位圖書館 ( Digital Library ) 收錄ASTM 國際標準組織所出版的刊物，包含專業技術報告、期刊、手冊與專書，內容均可進行電子版本下載。
- 所有文章都經過嚴格的同行評議流程，確保良好學術性內容及技術準確度



# 專業技術報告 SYMPOSIA PAPERS & STPS

收錄ASTM技術委員會主辦的研討會內容，反應全球最新研究結果，並提供制訂新標準的技術及見解。

- 收錄年份: 1931 年迄今
- 累積29,000+文獻
- 以書本格式出版1,598冊

## 涵蓋範圍

- Iron and Steel Products
- Nonferrous Metals Products
- Metals Test Methods and Analytical Procedures
- Construction Materials and Engineering
- Petroleum Products, Lubricants and Fossil Fuels
- Paint, Related Coatings and Aromatics
- Medical Devices and Services
- General Products, Chemical Specialties and End Use Products
- Textiles
- Plastics
- Rubber
- Electric Insulation and Electronics
- Water and Environmental Technology
- Nuclear, Solar, and Geothermal Energy
- General Methods and Instrumentation



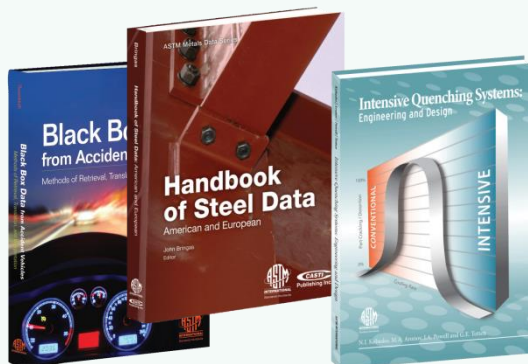
# 手冊與專書 MANUALS, MONOGRAPHS, & DATA SERIES

書籍彙整備受推崇的專家，在各自領域的實踐技術與先進資訊。

- 收錄年份: 1965 年迄今
- 由備受推崇的專家撰寫實用、方便的應用程式資訊 (Manuals) 或先進技術性資訊 (Monographs):共82冊
- ASTM 數據套書Data Series提供了特定的應用說明，包含已編譯的資料。:共48冊

## 涵蓋範圍

- Iron and Steel Products
- Nonferrous Metals Products
- Metals Test Methods and Analytical Procedures
- Construction Materials and Engineering
- Petroleum Products, Lubricants and Fossil Fuels
- Paint, Related Coatings and Aromatics
- Medical Devices and Services
- General Products, Chemical Specialties and End Use Products
- Textiles
- Plastics
- Rubber
- Electric Insulation and Electronics
- Water and Environmental Technology
- Nuclear, Solar, and Geothermal Energy
- General Methods and Instrumentation



# 期刊 JOURNALS-9本期刊

收錄ASTM世界著名的9本現行及歷史期刊文獻，共16,800篇經同儕審核的文章內容

## 現行期刊

- 測試與評估雜誌(JOTE) 1973~至今
- 岩土技術測試雜誌(GTJ) 1978~至今
- 土木工程材料發展(ACEM) 2012~至今
- 材料的性能及特徵(MPC) 2012~至今
- 智能與可持續製造系統(SSMS) 2017~至今 **NEW!**

## 回溯期刊

- ASTM國際期刊(JAI)2004~2012
- 複合材料技術與研究雜誌(JCTR) 1978~2003
- 水泥、混凝土與混合物(CCA) 1979~2004
- 法醫學雜誌(JOFS) 1972-2005



Smart and Sustainable Manufacturing Systems (SSMS)



Advances in Civil Engineering Materials (ACEM)



Geotechnical Testing Journal



Journal of Testing and Evaluation



Materials Performance and Characterization (MPC)

## 其他歷史文獻收錄

### ■ Proceedings 會議論文

追溯1909 - 1965年 ASTM年度國際研討會所產出的會議論文

### ■ ASTM Bulletin 布告欄

追溯於1921 - 1960年 ASTM member magazine季刊雜誌，內容包含技術委員會的活動、發表刊物及技術論文

### ■ Materials Research & Standards材料搜尋和標準文件

追溯於1961 -1972年 ASTM member magazine月刊雜誌.內容包含技術委員會的活動、發表刊物及技術論文



# ASTM TRAINING AND E-LEARNING - 實踐標準的培訓

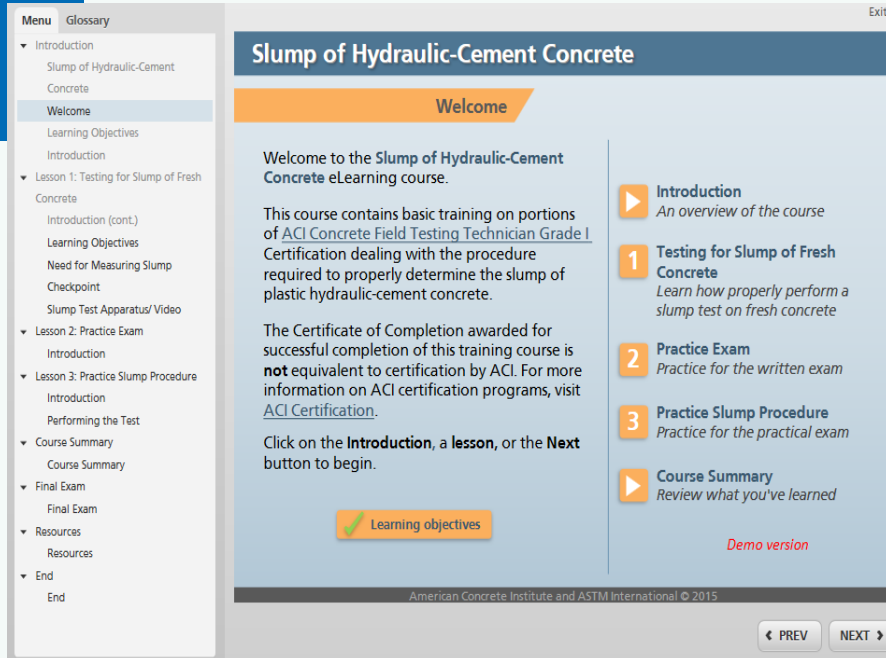
Now you can  
train online

- Construction
- Environment
- Metals
- Oxygen
- Petroleum
- Statistics

## E-Learning

Train at your own pace, access on-demand courses, track and evaluate employee progress.

## 線上自我學習課程



Menu Glossary

- Introduction
  - Slump of Hydraulic-Cement Concrete
- Welcome
  - Learning Objectives
  - Introduction
- Lesson 1: Testing for Slump of Fresh Concrete
  - Introduction (cont.)
  - Learning Objectives
  - Need for Measuring Slump
  - Checkpoint
  - Slump Test Apparatus/ Video
- Lesson 2: Practice Exam
  - Introduction
- Lesson 3: Practice Slump Procedure
  - Introduction
  - Performing the Test
- Course Summary
  - Course Summary
- Final Exam
  - Final Exam
- Resources
  - Resources
- End
  - End

**Slump of Hydraulic-Cement Concrete**

Welcome

Welcome to the Slump of Hydraulic-Cement Concrete eLearning course.

This course contains basic training on portions of [ACI Concrete Field Testing Technician Grade I Certification](#) dealing with the procedure required to properly determine the slump of plastic hydraulic-cement concrete.

The Certificate of Completion awarded for successful completion of this training course is **not** equivalent to certification by ACI. For more information on ACI certification programs, visit [ACI Certification](#).

Click on the **Introduction**, a **lesson**, or the **Next** button to begin.

Learning objectives

Introduction  
An overview of the course

1 Testing for Slump of Fresh Concrete  
Learn how properly perform a slump test on fresh concrete

2 Practice Exam  
Practice for the written exam

3 Practice Slump Procedure  
Practice for the practical exam

Course Summary  
Review what you've learned

Demo version

American Concrete Institute and ASTM International © 2015

PREV NEXT

## In-Person Training

Get hands-on training, at our site or your site. Network with your peers, and learn from the experts.

## 專人指導學習課程

- Asphalt Lab Technician Training
- Coal Chemistry
- Corrosion
- Environmental
- Light Sport Aircraft
- Oxygen
- Petroleum
- Plastics
- Rubber
- Statistics
- Textiles

## Webinar Series

Take part in ASTM Training from your home or office through our ASTM Webinar Training Series.

## 參與ASTM Webinar Series 培訓課程

- Additive Manufacturing Technology
- Environmental Assessment & Risk Management
- Fatigue & Fracture
- Fatigue & Fracture, Continued
- Petroleum





# 資料庫特色

- IP連線,不需牢記帳號及密碼。
- 無同時上線人數限制。
- 無下載篇數限制。
- 強大的搜尋引擎。
- 簡易的瀏覽結構。
- 現行的技術標準提供PDF及HTML格式。



## 檢索技巧 & 個人化功能設定

- 連線網址 [Http://compass.astm.org](http://compass.astm.org)
- 或經由圖書館電子資源，登入後連線。



# 登入 ASTM COMPASS 首頁

Welcome Hinton Information Services

## 檢索功能列

◆ All

Search topic, title, author, A53



## 標準文獻

### STANDARDS

Book of Standards  
Passport to Steel   
Research Reports  
Related Materials  
Digital Adjuncts

### TERMINOLOGY

A B C D E F G H I J K L M N O P Q R S  
T U V W X Y Z  
0 1 2 3 4 5 6 7 8 9

### E-LEARNING

## 數位圖書館

### BOOKS & JOURNALS

Journals  
Selected Technical Papers  
Manuals/Monographs  
Technical Reports  
Data Series

## 術語查詢

## 附加功能

### Other Publishers

AASHTO  
AATCC  
ACI  
AENOR/UNE (EN, UNE ISO, UNE IEC)  
API  
AWS  
AWWA  
CGA  
Code of Federal Regulations (CFR)  
IES  
ISO/ASTM  
MIL  
QCS  
Unified Numbering System (UNS)

## 個人化功能列

### MY TOOLS

My Annotations  
My Bookmarks  
My Saved Searches  
My Groups  
Standards Shared With Me  
Publications Shared With Me  
Track Changes  
Subscription Details  
HyperLink

# 檢索功能列

以標準名稱(如:A53)或關鍵字(串)搜尋整個**ASTM** 資料庫。搜尋結果將會依相關度排序且可能會同時包含標準文件及工程出版物。

選擇檢索文獻類型

Search by title, author, A53

輸入關鍵字檢索

◆ All

All

Standards

Work Items

Digital Library

Other Content

My Subscription Only

Other Publishers

MY TOOLS

ASTM Content



# 檢索頁面

檢索條件

**MySubscription**功能，在學校有訂閱的範圍裡查找。

各種版本

下載檔案

Library

☐ MySubscription Only

Result Type

☒ Standards (6,531)

- ☐ Active (1,546)
- ☐ Historical (4,498)
- ☐ Withdrawn (49)
- ☐ Work Items (407)
- ☐ Research Reports (29)
- ☐ Related Materials (2)
- ☐ Digital Adjuncts
- ☐ Online Book of Standards (5,559)

Standards by Language

☐ Digital Library

Other Content

Document Type

☐ Online Version (5,067)

☐ PDF Version (5,511)

Category

☐ Applications (3,410)

☐ Materials (3,847)

☐ Process (1,362)

☐ Properties and Measurements (2,362)

☐ Test Methods (1,113)

Technical Committees

Topic

Industry Sectors

SIGN IN

HOME REGISTER ▾ LANGUAGES ▾ HELP


### ASTM F2678-16 Standard Practice for Preparing Panel Underlayments, Thick Poured Gypsum Concrete Underlayments, Thick Poured Lightweight Cellular Concrete Underlayments, and Concrete Subfloors with Underlayment Patching Compounds to Receive Resilient Flooring

Active Standard (Latest Version) Last Updated February 15, 2016

Standard Practice F2678-16 provides recommendations for preparing and smoothing panel underlayments, gypsum concrete subfloors with patching compounds, and concrete subfloors with patching compounds. A resilient flooring may be installed.

Versions ▾

Translations ▾

PDF 


### ASTM D5078/D5078M-11(2016) Standard Specification for Crack Filler, Hot-Applied, for Asphalt Concrete and Portland Cement Concrete Pavements

Active Standard (Latest Version)

This specification covers hot-applied crack filler for use in filling cracks in asphalt concrete and portland cement concrete pavements.

Versions ▾

Translations ▾

PDF 

**D5078/D5078M - 11** English

**D5078 - 95(2006)** English

**D5078 - 95(2000)** English

# 標準瀏覽

## 標準標題



This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.

DESIGNATION: C125 - 16

## Standard Terminology Relating to Concrete and Concrete Aggregates<sup>1</sup>

Active Standard ASTM C125

ADD/EDIT ANNOTATION

## 標準介紹

This standard is issued under the fixed designation C125; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

*This standard has been approved for use by agencies of the U.S. Department of Defense.*

In this standard:

[Section 1 Scope](#)

[Section 2 Referenced Documents](#)

[Section 3 Terms and Their Definitions](#)

[Section 4 Keywords](#)

[SUMMARY OF CHANGES](#)

[Footnotes](#)

ADD/EDIT ANNOTATION

PRINT SECTION

1 | Scope \*A Summary of Changes section appears at the end of this standard.

1.1 This standard is a compilation of definitions of terms as they are used in standards under the jurisdiction of Committee C09.

Previous [Next](#) | [Top](#) [Bottom](#)

Search ASTM Compass

All | Topic, title, author, A53

Advanced Search

Text Size [A](#) [A](#)

BOOKMARK THIS

PRINT WITH ANNOTATIONS

PDF Version

DOWNLOAD PDF

## 標準文檔下載

Related

[Version Comparison](#)

[Historical Version\(s\)](#)

[Work Item\(s\)](#)

## 相關連結

Share

[Cite this Standard](#)

[Standard References](#)

[Share this Document](#)

[Share with Group](#)

[Send Feedback, Edits, Corrections to ASTM](#)

[Reprints and Permissions](#)

Details

Developed by Subcommittee: [C09.91](#)





# 標準範例

This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.



Designation: C125 – 16

## Standard Terminology Relating to Concrete and Concrete Aggregates<sup>1</sup>

This standard is issued under the fixed designation C125; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

*This standard has been approved for use by agencies of the U.S. Department of Defense.*

### 1. Scope\*

1.1 This standard is a compilation of definitions of terms as they are used in standards under the jurisdiction of Committee C09.

1.2 Other terminology under the jurisdiction of Committee C09 is included in two specialized standards. Terms relating to constituents of concrete aggregates are defined in Descriptive Nomenclature C294. Terms relating to constituents of aggregates for radiation-shielding concrete are defined in Descriptive Nomenclature C638.

1.3 Related terminology for hydraulic cement is included in

C143/C143M Test Method for Slump of Hydraulic-Cement Concrete

C219 Terminology Relating to Hydraulic Cement

C294 Descriptive Nomenclature for Constituents of Concrete Aggregates

C403/C403M Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance

C494/C494M Specification for Chemical Admixtures for Concrete

C511 Specification for Mixing Rooms, Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the Testing of Hydraulic Cements and Concretes



C125 – 16

**accreditation**, *n*—*of testing agency*, a process by which an evaluation authority attests that a testing agency has demonstrated the competency to perform specific tasks in accordance with a standard. (2011)

**admixture**, *n*—a material other than water, aggregates, cementitious material, and fiber reinforcement that is used as an ingredient of a cementitious mixture to modify its freshly mixed, setting, or hardened properties and that is added to the batch before or during its mixing. (R2015)

**accelerating admixture**, *n*—an admixture that increases the rate of reaction of cementitious materials thus reducing time of setting and increasing early strength development of a cementitious mixture. (2015)

**air-entraining admixture**, *n*—admixture that causes the development of a system of microscopic air bubbles in concrete or mortar during mixing. (R2008)

**chemical admixture**, *n*—an admixture in the form of a liquid, suspension, or water-soluble solid. (2014)

**mineral admixture**, *n*—deprecated term. (R2008)

**DISCUSSION**—This term has been used to refer to different types of water insoluble, finely divided materials such as pozzolanic materials, cementitious materials, and aggregate. These materials are not similar, and it is not useful to group them under a single term. The name of the specific material should be used, for example, use “pozzolan,” “slag cement,” or “finely divided aggregate,” as is appropriate.

**retarding admixture**, *n*—an admixture that decreases the rate

**DISCUSSION**—The definitions are alternatives to be applied under differing circumstances. Definition (1) is applied to an entire aggregate either in a natural condition or after processing. Definition (2) is applied to a portion of an aggregate. Requirements for properties and grading should be stated in the specification.

**fine aggregate**, *n*—(1) aggregate passing the 9.5-mm ( $\frac{3}{8}$ -in.) sieve and almost entirely passing the 4.75-mm (No. 4) sieve and predominantly retained on the 75- $\mu$ m (No. 200) sieve; or (2) that portion of an aggregate passing the 4.75-mm (No. 4) sieve and retained on the 75- $\mu$ m (No. 200) sieve. (R2008)

**DISCUSSION**—The definitions are alternatives to be applied under differing circumstances. Definition (1) is applied to an entire aggregate either in a natural condition or after processing. Definition (2) is applied to a portion of an aggregate. Requirements for properties and grading should be stated in the specifications.

**heavyweight aggregate**, *n*—see *high-density aggregate*.

**high-density aggregate**, *n*—aggregate with relative density greater than 3.3, such as: barite, magnetite, limonite, ilmenite, iron, or steel. (R2008)

**lightweight aggregate**, *n*—see *low-density aggregate*.

**low-density aggregate**, *n*—aggregate with bulk density less than 1120 kg/m<sup>3</sup> [70 lb/ft<sup>3</sup>], such as: pumice, scoria, volcanic cinders, tuff, and diatomite; expanded or sintered clay, shale, slate, diatomaceous shale, perlite, vermiculite, or slag; and end products of coal or coke combustion. (R2008)

**normal-density aggregate**, *n*—aggregate that is neither high nor low density. (R2008)



## 下載之文件均有授權單位詳細資料

- 每頁頁尾均有標示下載日期、時間與下載授權單位名稱。

**\*A Summary of Changes section appears at the end of this standard**

Copyright © ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959. United States

Copyright by ASTM Int'l (all rights reserved); Thu Nov 27 00:42:52 EST 2014 1

Downloaded/printed by

(Hinton Information Services) pursuant to License Agreement. No further reproductions authorized.





# 實際操作

1. 請試著檢索標準編號並下載 ASTM **D1143** 橋梁負重測試最新標準”  
D1143/D1143M–07 Standard Test Methods for Deep Foundations Under Static Axial Compressive Load” 之PDF 檔案

2. 找出新舊標準  
比較畫面  
“Version Comparison”

Version Comparison of:

↕ D1143/D1143M-07(2... and ↕ D1143/D1143M-07(2...

Text Size [A](#) [A](#)

[BACK TO ACTIVE](#)

Legend: ■ Removed Content ■ Added Content

Format	Pages	
 Redline PDF Version	15	<a href="#">DOWNLOAD PDF</a>
 Printer Friendly with Annotations	-	<a href="#">PRINT STANDARD</a>

## Designation: D1143/D1143M–07 (Reapproved 2013)■

**Disclaimer:** This document is not an ASTM standard and is intended only to provide the user of an ASTM standard an indication of what changes have been made to the previous version. Because it may not be technically possible to adequately depict all changes accurately, ASTM recommends that users consult prior editions as appropriate. In all cases only the current version of the standard as published by ASTM is to be considered the official document.

### Standard Test Methods for Deep Foundations Under Static Axial Compressive Load<sup>1</sup>

This standard is issued under the fixed designation D1143/D1143M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

*This standard has been approved for use by agencies of the U.S. Department of Defense.*

<sup>1</sup> **NOTE—**Editorially corrected the title of Figure 2 in June 2018.

In this standard:



個人化計

REGISTER MY ACCOUNT



First Name

Last Name:

E-Mail address (username):

Select Password:

Confirm Password:

REGISTER MY ACCOUNT

**Password Note:** Please use only letters A(a)-Z(z) and numbers 0-9.  
Do not use any punctuation marks, formatting, spacing, or non-letters (periods, commas, etc.).  
Your password must be at least 6 characters long.

個人登入

SIGN IN 

▽ LANGUAGES

▽ HELP



# MY ANNOTATION 我的註解

## MY TOOLS

My Annotations (4)

My Bookmarks (2)

My Saved Searches (1)

My Groups (1)

Standards Shared With Me (0)

Publications Shared With Me (0)

Track Changes

Subscription Details

在點選Add/Edit Annotation 後，  
將出現視窗提供您純文字或附件  
檔案的選項。  
選定後請點選Save Annotation。



Text Size

A

A

Share With Group

Citing Links

Version Comparison

BOOKMARK THIS

Format

Pages



PDF Version

28

DOWNLOAD PDF



Printer Friendly with Annotations

-

PRINT STANDARD

DESIGNATION: E8/E8M - 13a

American Association State  
Highway and Transportation Officials Standard  
AASHTO No.: T68An American National Standard

註解將立刻被記錄於該份標準文件  
的目次中間且標註日期時間與  
作者。

## Standard Test Methods for Tension Testing of Metallic Materials<sup>1</sup>

此標準文件為基本拉伸試驗之標準，在實驗前須熟知步驟與過程。 - Annotation Made By: Andrew  
Cheng Mon Dec 15 01:17:57 EST 2014

ADD/EDIT ANNOTATION

# MY BOOKMARKS 我的書籤

## MY TOOLS

My Annotations (4)

My Bookmarks (2)

My Saved Searches (1)

My Groups (1)

Standards Shared With Me (0)

Publications Shared With Me (0)

我的書籤功能可以將常用且重要的標準紀錄，創造一個快速連結之頁面。

DESIGNATION: C174/C174M - 16

NOTICE: This standard has either been superseded and replaced by a new version or discontinued.

## Standard Test Method for Measuring Thickness of Concrete Elements Using Drilled Concrete Cores<sup>1</sup>

SUPERSEDED by [Active Standard ASTM C174/C174M](#)

IMPORTANT - Annotation Made By: hsiulun hsu Sat Sep 8 00:39:29 EDT 2018 - [Delete](#)

ADD/EDIT ANNOTATION



SHARE ANNOTATION

This standard is issued under the fixed designation C174/C174M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

*This standard has been approved for use by agencies of the U.S. Department of Defense.*

### In this standard:

not an ASTM standard; available as PDF, only)

VERSION

Search ASTM Compass

◆ All

Topic, Material, A53

儲存我的書籤

Text Size



BOOKMARK THIS



PRINT WITH ANNOTATIONS



PDF Version

DOWNLOAD PDF

### Share

[Cite this Document](#)

[Standard References](#)

[Share this Document](#)



# MY SAVED SEARCHES 儲存檢索結果

## MY TOOLS

My Annotations (4)

My Bookmarks (2)

My Saved Searches (1)

My Groups (1)

Standards Shared With Me (0)

Publications Shared With Me (0)

Track Changes

Subscription Details

HyperLink

Category

- ☐ Applications (445)
- ☐ Materials (362)
- ☐ Process (205)
- ☐ Properties and Measurements (451)
- ☒ Test Methods (608)
  - ☐ Biological Test (17)
  - ☐ Chemical Analysis (25)
  - ☐ Chromatography (2)
  - ☐ Corrosion Test (6)
  - ☐ Crystallography (2)
  - ☐ Fire Test (50)
  - ☐ Geotechnical Test (43)
  - ☐ Mechanical Test (175)
  - ☐ Metallography and Resinography (57)
  - ☐ Non-Destructive Evaluation (69)
  - ☐ Performance Test (124)
  - ☐ Petrography (5)
  - ☐ Physical Test (59)
  - ☐ Radiochemical Analysis (12)
  - ☐ Sensory Evaluation (16)
  - ☐ Spectroscopy (9)
  - ☐ Surface Analysis (1)
  - ☐ Test Specimens and Test Engines (50)
  - ☐ Thermal Analysis (14)

Technical Committees

Topic

Industry Sectors

ICS Codes

SEARCH TOOLS

Sort By  
Best Match

10 results per page

Save Search

## ASTM E488/E488M-18 Standard Test Methods for Strength of Anchors in Concrete Elements

Active Standard (Latest Version) Last Updated September 6, 2018



These test methods address the tensile and shear strengths of post-installed and cast-in-place anchors in test members made of cracked or uncracked **concrete**. Loadings include quasi-static, seismic, fatigue and shock. Environmental exposures include freezing and thawing, moisture, decreased and elevated temperatures and corrosion. These test methods provide basic testing procedures for use with product-specific evaluation and acceptance standards and are intended to be performed in a testing... Show More

Versions ▾

Translations ▾

Work Items ▾

PDF

## ASTM E3100-17 Standard Guide for Acoustic Emission Examination of Concrete Structures

Active Standard (Latest Version) Last Updated June 1, 2017



This guide describes the application of acoustic emission (AE) technology for examination of **concrete** and reinforced **concrete** structures during or after construction, or in service.

Versions ▾

Translations ▾

PDF

## ASTM C418-20 Standard Test Method for Abrasion Resistance of Concrete by Sandblasting

Active Standard (Latest Version) Last Updated May 7, 2020



This test method covers determination of the abrasion resistance characteristics of **concrete** by subjecting it to the impingement of air-driven silica sand. It is intended for use as a basis for the development of informed judgment.

Versions ▾

Translations ▾

Work Items ▾

PDF

## ASTM C418-20 Standard Test Method for Abrasion Resistance of Concrete by Sandblasting



儲存我的檢索結果可以方便下次連結此左側勾選檢索條件結果

ed and cast-in-place  
or grout-filled masonry  
proof load to verify



# MY GROUP 我的群組

## MY TOOLS

My Annotations (4)

My Bookmarks (2)

My Saved Searches (1)

My Groups (1)

Standards Shared With Me (0)

Publications Shared With Me (0)

Track Changes

Subscription Details

HyperLink

## Create New Group

Name of Group:

設定小組名稱

Group Owner:

hsiulun hsu

Add Group Description

Enter a Brief Description of your Group:

Add Compass Members to Group

Compass Members

Select All

bruce, lee  
Cheng, Andrew  
Cheng, Sylvia  
Hung, Leah  
Lee, Bruce  
Shih, Jack  
Wu, Tzu-Ying  
Zanna, Hsu  
Zheng, Jimmy



Group Members

hsi, hsiulun

選擇組員

Add Standards To Group (Optional)

Search for Standards by Designation:

Example: A53

Compass Standards

Select All

Group Standards

選擇與組員  
分享的標準

CREATE GROUP

Search ASTM Compass

⌵ All

Topic, title, author, A53



Advanced Search

透過My Group 頁面編輯、新增  
您的群組或是聯絡群組成員。





# STANDARDS SHARED WITH ME 標準協作邀請

## MY TOOLS

My Annotations (4)

My Bookmarks (2)

My Saved Searches (1)

My Groups (1)

Standards Shared With Me (0)

Publications Shared With Me (0)

Track Changes

Subscription Details

HyperLink

## Designation: F2678—16

Standard Practice for Preparing Panel Underlayments, Thick Poured Gypsum Concrete Underlayments, Thick Poured Lightweight Cellular Concrete Underlayments, and Concrete Subfloors with Underlayment Patching Compounds to Receive Resilient Flooring<sup>1</sup>

Active Standard ASTM F2678

ADD/EDIT ANNOTATION

This standard is issued under the fixed designation F2678; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (e) indicates an editorial change since the last revision or reapproval.

In this standard:

[Section 1 Scope](#)

[Section 2 Referenced Documents](#)

[Section 3 Terminology](#)

[Section 4 Significance and Use](#)

[Section 5 Product Requirements](#)

[Section 6 Material Acceptance](#)

[Section 7 Material Storage, Conditioning and Protection](#)

[Section 8 General Guidelines](#)

[Section 9 Installation of Patching Compounds](#)

[Section 10 Field Quality Control](#)

[Section 11 Protection](#)

[Section 12 Keywords](#)

[SUPPLEMENTARY REQUIREMENTS](#)

[Footnotes](#)

Search ASTM Compass

All Topic, title, author, A53

Advanced Search

Text Size A A

BOOKMARK THIS

PRINT WITH ANNOTATIONS

PDF Version

DOWNLOAD PDF

Related

[Version Comparison](#)

[Historical Version\(s\)](#)

Share

[Cite this Document](#)

[Standard References](#)

[Reprints and Permissions](#)

[Share with Group](#)

[Send Feedback, Edit, Corrections to ASTM](#)

[Reprints and Permissions](#)

Details

Developed by Subcommittee: [F06.40](#)

Book of Standards Volume: [15.04](#)

PDF Pages: 4

與您的群組成員分享ASTM標準文件並共同討論。



# PUBLICATIONS SHARED WITH ME 其他文件協作邀請

## MY TOOLS

My Annotations (4)

My Bookmarks (2)

My Saved Searches (1)

My Groups (1)

Standards Shared With Me (0)

Publications Shared With Me (0)

Track Changes

Subscription Details

HyperLink



▼ HSIULUN HSU 1

HOME ▼ LANGUAGES ▼ HELP

STP1604-EB

[Share With Group](#)

BOOKMARK THIS

Fatigue Resistance of Rim Seals in Multi-Pane Glazing Systems from a Moisture Resistance Perspective: Solutions for Improving Moisture Barrier Performance

Published Online: Aug 2018

Author(s):  
Takeshi Ihara  
Masato Yamamoto

Format	Pages	Size	
PDF Version	17	2.78 MB	DOWNLOAD PDF
Complete Source PDF	323	36.33 MB	DOWNLOAD PDF

[Related Products](#) [View License Agreement](#)

Cite this document

ASTM Suggested Citation Style

Ihara, T. and Yamamoto, M., "Fatigue Resistance of Rim Seals in Multi-Pane Glazing Systems from a Moisture Resistance Perspective: Solutions for Improving Moisture Barrier Performance," *Durability of Building and Construction Sealants and Adhesives: 6th Volume*, STP1604-EB, White, C. and Miyauchi, H., Ed., ASTM International, West Conshohocken, PA, 2018, pp. 105-121, <https://doi.org/10.1520/STP160420170110>

PRINT CITATION

EXPORT CITATION

EMAIL CITATION

A technique widely used to mitigate climate change is the minimization of energy consumption in buildings by enhancing the thermal performance of glazing systems. Rim seals, consisting of a primary seal, secondary seal, and spacer, are the key to securing a good thermal performance because they protect the gaseous cavities of the multi-

Search ASTM

All

與您的群組成員分享ASTM出版的其他文件，以便共同討論

YOU MIGHT ALSO CONSIDER:

[Durability of Building and Construction Sealants and Adhesives: 6th Volume STP1604](#)

[Proposed Design and Method for Providing Sealed Joint Performance under Relative Story Displacement JAI13378](#)

## Reprints and Permissions

Permissions to reprint documents can be acquired through Copyright Clearance Center

VISIT COPYRIGHT CLEARANCE CENTER





# TRACK CHANGES 追蹤文檔變更(每週發信通知)

## MY TOOLS

My Annotations (4)

My Bookmarks (2)

My Saved Searches (1)

My Groups (1)

Standards Shared With Me (0)

Publications Shared With Me (0)

Track Changes

Subscription Details

HyperLink

## Track Changes with Standards Tracker®

[What is the Standards Tracker?](#)

### You Track:

#### These Standards

Visit any active standard and select the **Track** button to begin tracking the standard.

Title	Publisher	
D5964 - Standard Practice for Rubber IRM 902 and IRM 903 Replacement Oils for ASTM No. 2 and ASTM No. 3 Oils	ASTM	<input checked="" type="checkbox"/> Track Document

可隨時開啟或關閉您想追蹤的文檔

### Other Standards Publishers

All documents by publisher

- ☐ All Publishers
- ☐ AASHTO Content
- ☐ AATCC Content
- ☐ ACI Content
- ☐ AWS Content
- ☐ API Content
- ☐ AWWA Content
- ☐ CGA Content
- ☐ IES Content
- ☐ UNE Content

### Journal Papers Tracked

- ☐ All Papers (JOTE, GTJ, ACEM, MPC, SSMS)
- ☐ Papers from JOTE, Journal of Testing and Evaluation
- ☐ Papers from GTJ, Geotechnical Testing Journal
- ☐ Papers from ACEM, Advances in Civil Engineering Materials
- ☐ Papers from MPC, Materials Performance and Characterization

客製勾選你想要追蹤的文獻刊物



# SUBSCRIPTION DETAIL 訂閱訊息

## MY TOOLS

My Annotations (4)

My Bookmarks (2)

My Saved Searches (1)

My Groups (1)

Standards Shared With Me (0)

Publications Shared With Me (0)

Track Changes

Subscription Details

HyperLink

了解學校的訂閱內容有哪些



## Subscription Details

**Account:** 466783

**Expiration:** December 31, 2022

## Standards

### Book of Standards

Section 01 Iron and Steel Products

Section 02 Nonferrous Metal Products

Section 03 Metals Test Methods and Analytical Procedures

Section 04 Construction

Section 05 Petroleum Products, Lubricants, and Fossil Fuels

Section 06 Paints, Related Coatings, and Aromatics

Section 07 Textiles

Section 08 Plastics

Section 09 Rubber

Section 10 Electrical Insulation and Electronics

Section 11 Water and Environmental Technology

Section 12 Nuclear, Solar, and Geothermal Energy

Section 13 Medical Device and Services

Section 14 General Methods and Instrumentation

Section 15 General Products, Chemical Specialties, and End Use Products



# HYPER LINK ASTM標準超連結

## MY TOOLS

My Annotations (4)

My Bookmarks (2)

My Saved Searches (1)

My Groups (1)

Standards Shared With Me (0)

Publications Shared With Me (0)

Track Changes

Subscription Details

HyperLink

透拓拖曳檔案，幫你快速抓出這篇文黨有出線的ASTM標準編號，並提通連結



## Hinton Information Services HyperLink

Use this tool to convert ASTM designation references in your documents to hyperlinks.

Drag and drop or open an Adobe Acrobat (PDF) or Microsoft Word (DOCX) file from your computer.

The Hyperlink tool will automatically find the ASTM designations in your documents and download a new file with designations linked to the web location of the ASTM Standard. You will also receive a HTML file that contains a list of ASTM designations found in your document.

## Designations Found in ASTM Training 2013-09-05 1

Created: Wed Sep 12 00:24:14 2018

Standards Found: 7

[B117-09 - Standard Practice for Operating Salt Spray \(Fog\) Apparatus](#)

[D429-14 - Standard Test Methods for Rubber Property—Adhesion to Rigid Substrates](#)

[D996-16 - Standard Terminology of Packaging and Distribution Environments](#)

[D7386-16 - Standard Practice for Performance Testing of Packages for Single Parcel Delivery Systems](#)

[E2149-10 - Standard Test Method for Determining the Antimicrobial Activity of Immobilized Antimicrobial Agents Under Dynamic Contact Conditions](#)

[F1856-04\(2009\) - Standard Practice for Determining Toner Usage for Printer Cartridges \(Withdrawn 2017\)](#)

[F2036-05\(2011\) - Standard Test Method for Evaluation of Larger Area Density and Background on Electrophotographic Printers](#)



# ASTM MOBILE APP



- Access to all upcoming ASTM Meetings
- Full up-to-date schedule of events
- Floor plan for all meetings
- Venue contact info and directions
- Local places from Yelp
- ASTM Contact information
- ...much more, download and see



# 注意事項

提醒使用者注意下列兩點：

- 煩請透過圖書館提供網址登入
- 請勿透過 DA、FlashGet、NetAnts、RealDownload、TeleportPro 及contype等智權下載。



# THANK YOU!

## 立刻掃描加入涵堂資訊LINE@好友

資料庫最新消息及功能x 抽獎活動 x 系統異常回覆 一手掌握

- 涵堂資訊有限公司
- Tel : + 886 2 2799-3110
- Fax : + 886 2 2799-5560
- E-MAIL : [service@hintoninfo.com](mailto:service@hintoninfo.com)



**Hinton Info**

@qwr7188d

