



財團法人全國認證基金會
Taiwan Accreditation Foundation

Certificate of Accreditation

(Certificate No : L0268-240117)

This is to certify that

**Architecture and Building Research Institute, Ministry of the
Interior**

Fire Experiment Center

No.2502, Sec. 1, Zhongzheng S. Rd., Liujia Vil., Guiren Dist., Tainan City 711, Taiwan
(R.O.C.)

is accredited in respect of laboratory

Accreditation Criteria : ISO/IEC 17025:2017 ; CNS 17025:2018

Accreditation Number : 0268

Originally Accredited : June 15, 1996

Effective Period : February 14, 2022 to October 13, 2024

Accredited Scope : Testing Field, see described in the Appendix

Specific Accreditation Program : Accreditation Program for Designated Testing Laboratory
for Commodities Inspection



Scan to verify

Yi-Ling Chen

Yi-Ling Chen
President, Taiwan Accreditation Foundation
January 17, 2024

Accreditation Number : 0268

Laboratory Head : LEE, Chi-Chung

■ 07. 01 Textiles and Related Products

Textiles and Fiber Products

T001 Anti-flaming Test

CNS 10285 Method A1, A2, A4, D

Anti-flaming Grade 1

Anti-flaming Grade 2

Off Grade

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 18. 05 Commodity

Electrical Wires, Cables

T002 Fire Retardant Test

ANSI/IEEE Std 383/IEEE 1202

UL 1581 Flame Tests/IEEE 1202

IEEE 1202

IEC 60332-3

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

T002 Fire Resistant Test

CNS 11359 (2019) Sec. 6.10.1

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 10 Building Materials

Sheet, Film, B-panel, Fabrics, Textiles and other Similar Material with Thickness Less than 5 mm

T001 Anti-flaming Test

CNS 7614

Anti-flaming Grade 1

Anti-flaming Grade 2

Anti-flaming Grade 3

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 34 Building Materials

Materials Applied to Steel Structure of Buildings

T002 Fire Resistance Test

CNS 13962 (1997) Sec. 4.1

CNS 12514 (2010)

CNS 12514-1

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The Appendix forms an integral part of this Certificate, which shall be invalid when use without the Appendix



CNS 12514-5
CNS 12514-6
CNS 12514-7
CNS 12514-10

Fire Resistant Rating: 30 min, 1 h, 2 h, 3 h, 4 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 35 Building Materials

Lift landing door assemblies

T002 Fire resistance tests

CNS 11227-2

Fire Resistant Rating: 15 min, 20 min, 30 min, 45 min, 1 h, 1.5 h, 2 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 35 Building Materials

Fire Door of Buildings

T002 Fire Resistance Test

CNS 11227 (2002)

CNS 11227-1

Fire Resistant Rating: 30 min, 1 h, 2 h, 3 h, 4 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 35 Building Materials

Rolling Shutter of Buildings

T002 Fire Resistance Test

CNS 14803 (2010)

CNS 11227-1

Fire Resistant Rating: 30 min, 1 h, 2 h, 3 h, 4 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 35 Building Materials

Fire Wall of Buildings

T002 Fire Resistance Test

CNS 12514 (2010)

CNS 12514-1

CNS 12514-4

CNS 12514-8

BS 476-20

BS 476-22

Fire Resistant Rating: 30 min, 1 h, 2 h, 3 h, 4 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang



■ 21. 35 Building Materials
Elements of Building Construction—glazed Elements
T002 Fire Resistance Test
CNS 14815
Fire Resistant Rating: 30 min, 1 h, 2 h, 3 h, 4 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 35 Building Materials
Door of Buildings
T999 Method of Test for Evaluating Smoke Control Performance
CNS 15038

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 36 Building Materials
Flame-retardant Plywood
T001 flame-retardant Test
CNS 11668

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 36 Building Materials
Interior Finish Material of Building (Fire Retardant Plywood, Fiberboard Plastic Panel
Gypsum Board and other Similar Materials)
T999 Heat Release Rate Test—Cone Calorimeter Method
CNS 14705 (2011)
CNS 14705-1
CNS 14705-3 ANNEXA.2
ASTM E1354
ISO 5660-1
Fire Retardant Grade 1
Fire Retardant Grade 2
Fire Retardant Grade 3

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 37 Building Materials
Structural Parts of Building (Roof, Floor, Ceiling)
T002 Fire Resistance Test
CNS 12514 (2010)
CNS 12514-1
CNS 12514-5
CNS 12514-9
Fire Resistant Rating: 30 min, 1 h, 2 h, 3 h, 4 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang



■ 21. 37 Building Materials
Structural Parts of Building (Column)
T002 Fire Resistance Test
CNS 12514 (2010)
CNS 12514-1
CNS 12514-7
Fire Resistant Rating: 30 min, 1 h, 2 h, 3 h, 4 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 37 Building Materials
Structural Parts of Building (Beam)
T002 Fire Resistance Test
CNS 12514 (2010)
CNS 12514-1
CNS 12514-6
Fire Resistant Rating: 30 min, 1 h, 2 h, 3 h, 4 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 37 Building Materials
Structural Parts of Building (Compounded Structural Parts)
T002 Fire Resistance Test
CNS 12514 (2010)
CNS 12514-1
CNS 12514-5
CNS 12514-6
CNS 12514-7
Fire Resistant Rating: 30 min, 1 h, 2 h, 3 h, 4 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 99 Building Materials
Construction Products
T001 Products-Non-combustibility Test
ISO 1182
CNS 15694

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 21. 99 Building Materials
Fire Resistance Equipment of Buildings (Water Curtain)
T002 Fire Resistance Test
Water Curtain System Test and Review Assessment Standard (Taiwan Architecture and Building Center)
Fire Resistant Rating: 30 min, 1 h, 2 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang



■ 21. 99 Building Materials

Fire Stops Materials

T002 Fire Resistance Test

CNS 14514 (2010)

CNS 15814-1

Fire Resistant Rating: 1 h, 2 h, 3 h, 4 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 32. 01 Railway Equipment and Engineering

Materials for Railway Vehicle Carriages

T002 Lateral Spread of Flame

ISO 5658-2

CNS 16108-2

EN 45545-2

Critical Flux at Extinguishment (CFE)

Average Heat for Sustained Burning (Qsb)

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

T002 Burning Behaviour Using a Radiant Heat Source

ISO 9239-1

CNS 16108-2

EN 45545-2

Critical Heat Flux

Flame-Spread Distance

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

■ 32. 01 Railway Equipment and Engineering

Materials of The Rolling Stock

T999 Heat Release Rate — Cone Calorimeter Method

ISO 5660-1

CNS 16108-2

EN 45545-2

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

**Accreditation Program for Designated Testing Laboratory for
Commodities Inspection**

■ 21. 35 Building Materials

Fire Door of Buildings

T002 Fire Resistance Test

CNS 11227 (2002-12)

CNS 11227-1 (2016-11)

Fire Resistant Rating: 30 min, 1 h, 2 h, 3 h, 4 h

Approval Signatory: WANG, Tien-Chih; LEE, Chi-Chung; CHEN, Jia-Ling; CHAN, Chia-Wang

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