

# larson® Composite panels

## CERTIFICATES - FULL-SCALE FIRE TEST & CLASSIFICATIONS

### ENVIRONMENTAL CERTIFICATE

#### International →

Environmental label.

**EPD®** Environmental product declaration.

- **larson® FR**.

First Building products with dual-registered EPDs



### PRODUCT CERTIFICATES WITH INSTALLATION SYSTEM

#### European union →

**ETA** EUROPEAN TECHNICAL ASSESSMENT → **CE mark**.

- **larson® FR** with LCH-1 system “**ETA 14/100**”.

#### Spain →

**DIT PLUS** Technical Approval Document.

- **larson® FR** with LCH-1 system “**DIT PLUS 405P/15**”.

#### Germany →

Certificate **U MARK**.

- **larson® FR** with riveted system “**Z-10.3-808**”.

#### France →

**SELLO QB 64-79 (larson® FR)**.

**SELLO QB 142-153 (larson® A2)**.

- **larson® FR** & **larson® A2** with LCH-1 system “**AVIS TECHNIQUE 2.2-14-1643-V3**”.

- **larson® FR** & **larson® A2** with riveted system “**AVIS TECHNIQUE 2.2-11-1469-V3**”.



ETA 14/0010  
**Alucoil®** Suspended Cassette  
ETA 14/0010  
**Alucoil®** Riveted Boards



TECHNICAL APPROVAL DOCUMENT  
Nº 405P/15  
**larson®** Suspended Cassettes  
**larson®** Riveted Boards



QB 15-Built-up cladding products  
Nº 64-79 & Nº142-153

Manufactured by: **Alucoil® S.A.U.** - Product: **larson®**



2.2/14-1643\_V3 issued 16/12/2020  
2.2/11-1469\_V3 issued 24/09/2020



**Alucoil®**  
Grupo Alibérico

## PRODUCT CERTIFICATES

### European Union →

ETA EUROPEAN TECHNICAL ASSESSMENT → CE mark.

- larson® A2 "ETA 18/0712".

### United Kingdom →

BBA.

- larson® FR "BBA 08/4551".

### USA & Canada →

ETL.

- larson® FR "SDReport 29779".

### Switzerland →

VKF.

- larson® FR "VKF 30224".

- larson® A2 "VKF 30219".

### Ukraine →

UA.BR.

- larson® FR "UA.BR.042,012-20".



ETA 18/0712

larson® A2 composite panel



## FULL SCALE FIRE TEST & CLASSIFICATIONS

### European Union →

Fire classification of construction products and building elements.

- larson® FR with riveted & cassette systems **B-s1, d0** according to EN 13501-1.

- larson® A2 with riveted & cassette systems **A2-s1, d0** according to EN 13501-1.

## United Kingdom →

### Full-scale Fire performance of external cladding systems.

- **larson® FR** with riveted system, according to BS 8414-1, BR 135 passed.
- **larson® A2** with cassettes system, according to BS 8414-2, BR 135 passed.

## France →

### Full-scale fire test LEPiR II.

- **larson® FR & larson® A2** with riveted & cassettes suspended systems, according to LEPiR II.

### Reaction to fire tests. Heat release, smoke production and mass loss rate. Part 1: Heat release rate (cone calorimeter method) and smoke production rate (dynamic measurement). Amendment 1.

- **larson® FR. PASSED** according to ISO 5660-1.

## Czech Republic →

### Fire behaviour.

- **larson® FR**, according to CSN 73 0863.

## Australia & NZ →

### Methods for fire tests on building materials, components and structures.

Simultaneous determination of ignitability, flame propagation, heat release and smoke release and products using an oxygen consumption calorimeter.

- **larson® FR**, according to AS NZS 1530.3 1999.

### Identification **larson® FR** core by ash content and XRD.

- **larson® FR**, according to ASTM D5360-13.

### Corner room test.

- **larson® FR**, "Group 1" & "Group 2" according to ISO 9705.

## USA & Canada →

### Full scale fire test. Standard fire test method for evaluation of fire propagation characteristics of exterior wall assemblies containing combustible components.

- **larson® FR** with EVO system, according to NFPA 285.

### Standard test method for surface burning characteristics of building materials.

- **larson® FR**, according to ASTM E84-12c.

### Full scale standard method of fire test of exterior wall assemblies.

- **larson® FR 6 mm**, according to CAN ULC S134 92.

### Product evaluation **larson® FR** new system against fire compliance [OK].

- **larson® FR 4 & 6 mm**, according to CAN ULC S134.

### Standard method of test for surface burning characteristics of building materials and assembly.

- **larson® FR 6 mm**, according to CAN ULC S102-10.