

UAE Fire & Life Safety Code of Practice - 2018

According to the UAE Fire and Life Safety (FLS) Code of Practice-2018, Chapter 1 Section 4 of the code, specifies the minimum requirements for the classification, combustibility, surface burning and flame spread ratings, design, installation, inspection, and maintenance of exterior façade wall cladding, balcony coverings and components such as:

- Metal composite panels (MCM)
- Aluminum composite panels (ACP)
- Sandwich panels
- Polycarbonate panels
- EIFS, ETICS, GRC, GRFC, GRP, PEWFS
- Glazing system
- Insulation, sealants

New Regulation Outline

All facades & cladding intended to be sold in the Emirate of Dubai must be tested & certified by ESL.

Where other UAE approved/listed CB historically certified façade or cladding system, ESL will evaluate the technical documents along with test reports in compliance with the UAE FLS code & subject to ESL certification requirements and accordingly ESL will issue a product / system certificate.

ESL or other UAE Approved Certification Bodies will conduct the fire tests at ESL Lab for Dubai projects and ESL will certify the product / system for Dubai projects.

Materiality fingerprinting is part of ESL certifying process to allow traceability and future validation by AHJs.

ESL will prepare the DXB-specific COC for the client to submit to DCD for product registration.

Required Documents

Historically Tested:

- Product data; manufacturers specification, tech data and material SDS and limitations
- Technical datasheets for all components
- Design listing & certification – core test report, product test report, assembly test report, system design listing
- Drawings
- Sampling evidence
- Test reports
- Any assessment reports
- Method Statement & Manufacturer installation instructions

Approval For New System:

- Product/system specifications
- Technical datasheet for all components
- Drawings



FAÇADE & EXTERIOR WALL COVERINGS (CLADDING)

Information Pack - DXB New Regulation

Commencement: Jan 2024

Testing
Certifying
DXB-Specific COC

Steps To Be Followed:

- Client will apply for DXB-specific COC for cladding system
- ESL will review the submitted application along with supporting required documents—either having historical testing evidence or requiring new approval
- ESL will evaluate and verify the submitted documents



Scenario 1

Tested Cladding system—Meeting The Evaluation Criteria

- ESL will submit quotation
- Client will confirm order & make payment
- ESL will prepare product system certificate
- ESL will prepare DXB-specific COC & submit to client
- Client will submit for product registration with DCD

Scenario 2

Tested Cladding system—Not Meeting The Evaluation Criteria

- ESL will submit quotation
- Client will confirm order & make payment
- Sampling by ESL
- Testing at ESL lab
- Certifying by ESL
- ESL will prepare DXB-specific COC & submit to client
- Client will submit for product registration with DCD

Scenario 3

Approval For New Cladding System

- ESL will submit quotation
- Client will confirm order & make payment
- Sampling by ESL
- Testing at ESL lab
- Certifying by ESL
- ESL will prepare DXB-specific COC & submit to client
- Client will submit for product registration with DCD