



مختبر الإمارات للسلامة  
EMIRATES SAFETY LABORATORY

# Advancing Fire Safety in the UAE:

## FCIA and ESL's Vision for a Safer Future

### Innovations in Passive Fire Protection and Collaborative Efforts for a Safer & Sustainable Future

# FCIA and the UAE: Leading the Way in Fire and Life Safety

As the UAE aims to lead the region in setting requirements for fire and life safety, and FCIA strives as a world leader in education and betterment of fire stopping practices and installation, we are gathered today to introduce the latest advancements FCIA is bringing to the world and to Dubai in passive fire protection

Over the years, significant progress has been made in fire stopping design, installation, inspection, and maintenance (DIIM), as well as in the offerings FCIA provides for these aspects

FCIA entered the UAE market some time ago, has since expanded to Qatar, and will soon extend their reach to Saudi Arabia

# The Crucial Role of Passive Fire Protection in Modern Building Safety

## Passive fire protection

- Key component in building safety and fire prevention
- Distinct from active fire protection systems like sprinklers and alarms
- Focusing instead on building resilience through material use and design

## Strategy

- Protect building structural integrity
- Safe evacuation
- Aids effective firefighter response

## Why?

- Passive fire protection Compartmentalise buildings into fire-resistant sections
- Prevents rapid spread of flames, smoke, and toxic gases—which are a major cause of fire injuries & casualties
- Compliance with safety regulations
- Establishes public confidence



# The Crucial Role of Passive Fire Protection in Modern Building Safety

**Key passive fire protection components in a structure include**

- fire-resistant walls
- floors
- doors
- firestopping materials to seal openings
- fireproof coatings for structural steel

Integration of passive fire protection in building design is a fundamental aspect of modern construction practices, underlining a commitment to safety and resilience against the destructive force of fire.



And it is with great pleasure to welcome a seasoned TIC Industry peer and former colleague, Abhishek now with the FCIA who will undoubtedly further enhance and disseminate knowledge about passive fire protection in the UAE and the greater region as whole.

# Collaborative Efforts in Fire Safety: ESL and FCIA's Shared Vision for Dubai

Fire safety is a collective effort. ESL being a testing lab, certification body and an armor for DCD

ESL's vision of being a trusted partner in the TIC industry and a key player in fire safety directly aligns

FCIA's aim of building reliability in Passive Firestop Systems by ensuring they are correctly designed, installed, inspected, and maintained

Both organizations share the ultimate goal to establish Dubai as a global hub for high-quality conformity assessment activities, promoting safety and compliance for a safer, more sustainable future