



SCOPE

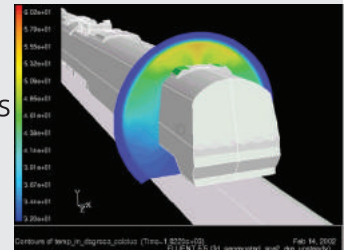
Efectis is the globally acknowledged fire sciences expert. Our virtual modeling and physical testing facilities enable optimization of the safety performance, regularity compliance, minimizing insurance premiums, while reducing construction costs in order to conduct a large scope fire behavior assessment for any kind of buildings

WHO CAN BENEFIT?

- *Architecture and engineering companies
- *Project and property owners
- *Constructors
- *Facility managers
- *Public institutes and corporations
- *Insurance companies

ENGINEERING SERVICES

- Examining architecture plans and projects
- Compliance assessment of emergency evacuation and escape opportunities
- Assessing requirements on fire compartmentation
- Assessing fire extinction facility projects and evaluation their compliance
- Compliance controls of electrical installation system for fire safety
- Evaluation of fire suppression systems
- Setting the basis for fire control system, smoke extraction system and pressurization systems
- Smoke spread analysis
- Evaluation of smoke density and spread, smoke extraction systems
- Evaluation of fire spread potential and heat transfer analysis
- Compliance assessment of fire automation and emergency scenarios for regulations
- On-site inspections
- Compliance assessment of the construction materials used
- Controls of electric, mechanic and fire suppression/extinguishing systems and function tests
- Assessment of automation of fire safety systems with other systems
- Evaluation the impact of fire on construction elements
- Assessing product/construction material choice and comparative analysis of them
- Fire risk analysis and reporting
- Developing protection against fire and explosion risk and life safety precaution
- Independent, third-party surveillance and inspection

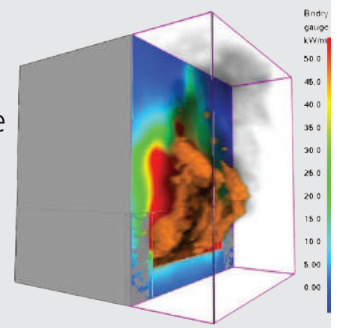


WHY EFFECTIS?

We guarantee high-level safety, while providing all services and the support that our clients need.

Efectis provides numerous advantages to its clients;

- Extensive product and testing know-how that is a result of more than 60 years experience
- 10+ years experience as a notified body for construction materials certification
- Established brand and services portfolio
- Excellent client tracking system in several countries
- Large capacity for fire and product performance testing
- Expert and multilingual project managers who are experts at their own areas



EFFECTIS GROUP

Efectis is a fire sciences company, and provides testing, modeling, certification and inspection services in a global scale. Efectis teams always aim to maintain safer living environments. Our expert teams have also wide experience on new and old buildings, structure integrity of monuments and infrastructures, pathological assessments of materials, components and systems, life cycle estimation and endurance.

MAKES DIFFERENCE.

www.effectis.com



Dilovası OSB 5. Kısım
Fırat Caddesi No:18 41455
Dilovası KOCAELİ

turkey@effectis.com
Tel : +90 262 658 16 62
Fax : +90 262 658 16 69



safe⁴fire

WHAT IS SAFE4FIRE CB SAFE FOR FIRE STRUCTURE CERTIFICATION MODEL?

SAFE4FIRE is FULL SCOPE FIRE SAFETY certification model, designed for buildings that have high risk for fire with high costs, bearing critical danger for both life and property safety and high potential for contamination during fire.



WHY IS SAFE4FIRE CB NECESSARY?

- Creates the proper conditions to ensure life and property security during a fire.
- Develops basis for improving the fire resistance of the construction.
- Certifies the holistic fire safety conditions of the construction.

WHAT IS THE PROCESS FOR SAFE4FIRE CB?

- Project assessment (architectural project, evacuation/escape project, fire detection/fighting project)
- On-site inspections and controls
- Fire risk analysis
- Developing and accepting periodical control plan
- Issuing "Safe4Fire Building Certification" certification
- Periodical controls

WHAT ARE SAFE4FIRE CB CONSTRUCTION CATEGORIES?

SAFE4FIRE CB-HR (HIGH RISK)

Constructions that have high risk for fire

Power plants

Paint and construction chemical factories / warehouses

Textile factories

Bitumen and other petroleum derivative processing / storing facilities

Gas and pressured gas processing/storing facilities

Chemical product manufacturing/storing facilities

Explosive and flammable material production / storing facilities

Polymer, polyurethane, PE, XPS, EPS, rubber manufacturing /storing facilities



SAFE4FIRE CB-HT (HEAVY TRAFFIC)

Public and high traffic construction

Hospitals

Hotels

Schools

Highways and bridges

Shopping / amusement centers

Underground structures

Parking garages

Tunnels

Public transportation vehicles

Underground / above ground stations



SAFE4FIRE CB-B (BASIC)

Prestigious and high security residences

Public spaces where there is less traffic

Industrial facilities where there are not many risky processes



IT IS A PRIVILEGE FOR A CONSTRUCTION TO BE CERTIFIED FOR SAFETY BY AN
INDEPENDENT, THIRD-PARTY AND EXPERT CERTIFICATION BODY.

www.effectis.com