

Противопожарная облицовка

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Fire protection cladding secure the critical areas



In order to minimize the risk of fire in safe areas such as escape and rescue routes, electrical cable and line routes that do not serve the building's own power supply must be covered with fire protection.

Sewers and pipelines must also be encased in classified fire-resistant cladding. This is the only way to ensure that escape and rescue routes can be used safely in the event of a fire. The fire department can then use these routes for quick access to the building.

Likewise, load-bearing components that contribute to the statics of buildings must not have their fire resistance compromised, for example, by electrical wiring or other fire hazards. Therefore, load-bearing or bracing elements in the building must be enclosed with fire-resistant cladding to ensure they achieve a specific fire resistance class (F 30, F 60, F 90, F 120, F 180).

The execution of corresponding fire protection cladding is regulated according to DIN 4102-11 or -12 and also requires special training certificates.

Fire protection cladding ...

- ... serve to **protect critical areas from fire** .
- ... **secure escape and rescue routes** and **improve the statics** of buildings in the event of fire.
- ... **require** appropriate training certificates for planning and installation.

Overview Products

- Fire protection cladding for ducts and pipelines
- Fire protection cladding for beams and steel structures

Overview of services

- Advice
- Planning customized solutions
- Professional execution
- Inspection of existing buildings
- Strengthening
- Renovation and adjustments

Fire-resistant cladding is particularly important for steel structures . Although steel is non-combustible (building material class A1), it has high thermal conductivity. In the event of a fire, it quickly begins to glow and expand. This significantly reduces the stability of steel beams, and to protect their structural integrity, steel structures require special structural fire protection. Load-bearing steel components must never be installed unprotected. The columns, beams, and supporting structures must achieve a classified fire resistance (**F 30, F 60, F 90, F 120, F 180**) through appropriate fire-resistant cladding.

In comparison, wood has favorable fire behavior because it chars on its surface. This forms a protective layer that slows further burning. Furthermore, wood is less thermally conductive than steel and does not expand, so it remains stable for a relatively long time in the event of a fire. Nevertheless, fire-resistant cladding may be necessary to increase the fire resistance of wood (e.g., from B2 "normal flammability" to B1 "flame-resistant" according to DIN 4102).

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