

Data Sheet

Intumescent grille

Fire-resistant ventilation grille



Fire-resistant ventilation grille that allows free circulation of air at ambient temperature through construction elements provided for fire resistance.

When grilles are subjected to fire, they expand with the heat effect preventing the passage of flames and smokes.

Features

- Reacts from 100 °C.
- Grille is covered in approximately 5 minutes.
- Made up of thermoplastic covers of intumescent tape.
- Easy installation.
- Use in indoor areas (avoid contact with water and continuous temperatures above 40 °C).

Field of application

An intumescent grille allows ventilation through:

- Fire-resistant doors.
- Fire-resistant walls.
- Fire-resistant partition.

Range of products

Grilles can be in many dimensions and thicknesses in order to be adapted to any application.

Rectangular and square grilles

40 mm thick. From 100 mm to 600 mm. Fire resistance EI 60.

50 mm thick. From 100 mm to 600 mm. Fire Resistance EI 90.

60 mm thick. From 100 mm to 600 mm. Fire Resistance EI 120.

Circular grilles

40 mm thick. From 100 mm to 400 mm in diameter. Fire resistance EI 60.

50 mm thick. From 100 mm to 400 mm in diameter. Fire Resistance EI 120.

Installation

The grilles must be fixed mechanically on walls or doors with suitable screws. They can be installed and sealed only with intumescent mastic.

The grilles are always manufactured with less than 3 mm of the nominal dimensions announced. For this reason, the mounting spaces up to 5 mm must be covered with intumescent mastic.

Union of several intumescent grilles. The grilles have been tested separately using fireproof calcium silicate bars of 30 mm width (density 640 kg/m³) x grille thickness (40, 50 or 60 mm).

Approvals and Certificate

Intumescent grilles are tested according to En 1363-1 in Tecnalía (square grilles and Ensatec -circular grilles-).

All fire resistance tests have been carried out by accredited laboratories.



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The information of data sheet is based on our knowledge and experience to date, and is given for information only. It will not be our responsibility anomalies caused by the misuse of the product.