

Vision fire resistant air transfer grilles

GB / 5.2 / Rev. 2

VENTILODICE V & VC



odice
PASSIVE FIRE PROTECTION



Product description

These fire resistant ventilation grilles are developed to allow the free circulation of air at room temperature through construction elements (walls, doors etc.) while at the same time offering effective protection against flames, smoke and gases in case of fire.

When the grilles are exposed to fire, the intumescent blades expand under the effect of the heat and prevent flames, smoke and gases from passing through.

VENTILODICE grilles are available in rectangular shape (**Ventilodice V**) and circular shape (**Ventilodice VC**).

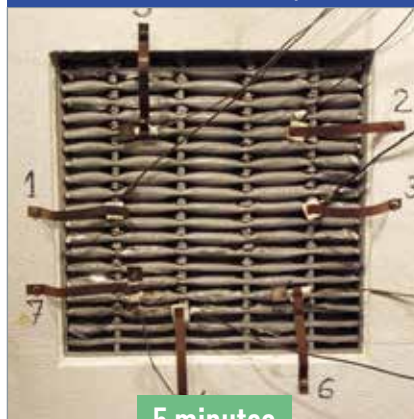
Features

- The intumescent grilles **VENTILODICE V&VC** react at low temperature (from 100°C).
- The grilles block up rapidly (generally within 5 minutes, depending on the heat exposure).
- The grilles are made up of thermoplastic blades filled with **PALUSOL®** intumescent strips.
- Easy to install.
- Mainly for indoor applications (avoid contact with water, high humidity and temperatures >40°C).

VENTILODICE V before fire resistance test (non-exposed side)

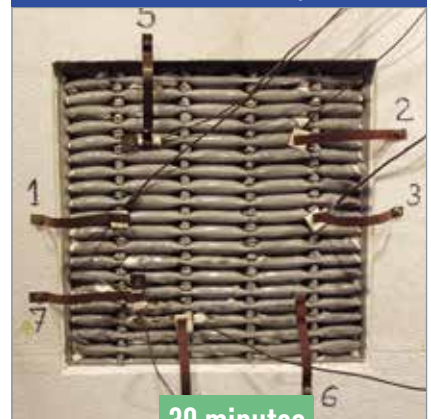


VENTILODICE V after 5 minutes of the fire resistance test (non-exposed side)



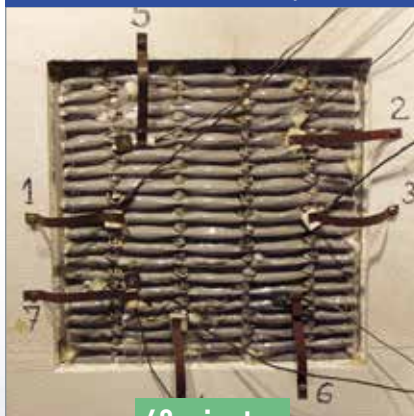
5 minutes

VENTILODICE V after 30 minutes of the fire resistance test (non-exposed side)



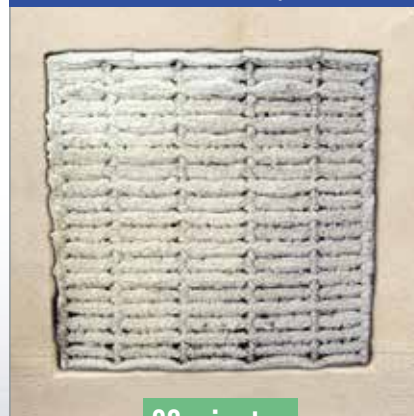
30 minutes

VENTILODICE V after 60 minutes of the fire resistance test (non-exposed side)



60 minutes

VENTILODICE V after 90 minutes of the fire resistance test (exposed side)



90 minutes

Applications

The air transfer grilles **VENTILODICE V & VC** allow ventilation through :

- Fire resistant doors.
- Fire resistant walls.
- Fire resistant partitions.

Product range

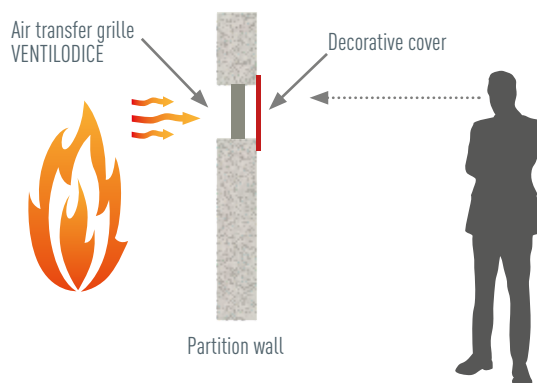
VENTILODICE grilles are available in various sizes and thicknesses, making them suitable for all types of applications.

Standard color: grey (for other colors please consult us).

VENTILODICE V&VC grilles are manufactured by steps of 50mm (consult us if specific dimensions are required).

	VENTILODICE V25	VENTILODICE V40	VENTILODICE V50	VENTILODICE V60
Width	Please consult	100 mm to 600 mm	100 mm to 600 mm	100 mm to 600 mm
Height	Please consult	100 mm to 600 mm	100 mm to 600 mm	100 mm to 600 mm
Thickness	25 mm	40 mm	50 mm	60 mm
Free air flow	~60%	~60%	~60%	~60%
Fire rate classification	15 à 30 min (*)(**)	60 min (*)	90 min (*)	120 min (*)
Fire resistance with decorative cover		120 min (*)	120 min (*)	120 min (*)

Fire resistance with a decorative cover grille :
V40, V50, VC40 - EI 120



Note: Odice do not provide decorative covers.
Maximum dimension approved 600*600mm

	VENTILODICE VC 40	VENTILODICE VC 60
Diameter	100 mm to 400mm Ø125mm available	100 mm to 400mm Ø125mm available
Thickness	40 mm	60 mm
Free air flow	~60%	~60%
Fire rate classification	60 min (*)	120 min (*)
Fire resistance with decorative cover	120 min (*)	120 min (*)

Air transfer grilles were tested according to EN 1634-1, EN1366-1, and EN1364-1. Please consult our official fire test reports available on request (except for V25).

Laboratory note 14-f-122 according to 1363-1 and 1363-2. Fire test respecting the slow heating curve (cold smokes).

(*) The fire resistance depends on the kind of support and its thickness. Installer has to insure compliance of its products with national regulations.

(**) Fire resistance obtained by our customers in their official fire tests (classification reports are not available).

Installation

VENTILODICE V grilles must be fixed mechanically into walls or doors using appropriate screws. **VENTILODICE VC** grilles can be fixed only with intumescent fire resistant sealant **ACRYLODICE F**.

The actual dimensions of the **VENTILODICE V & VC** grilles (heights and widths) are always 3 mm smaller than nominal dimensions.

Any fitting clearances of up to 4 - 5 mm must be filled using **ACRYLODICE F** intumescent sealant or with **INTERDENS** intumescent strips (refer to the technical data sheets).

Consult the "Instructions for installing **VENTILODICE** intumescent air transfer grilles" for practical details.

Compatibility

The intumescent air transfer grilles are compatible with all materials used in the manufacture of fire resistant doors, walls, partitions, floors and ventilation ducts.

Storage

Store carefully in a dry, well-ventilated area.

Health and safety measures

Observe usual workplace health and safety rules.

Refer to the safety data sheet for **PALUSOL 100 and 104**.

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