

Vision fire resistant ventilation grilles

GB / 5.2 / Rev. 1

VENTILODICE V



odice
PASSIVE FIRE PROTECTION



Product description

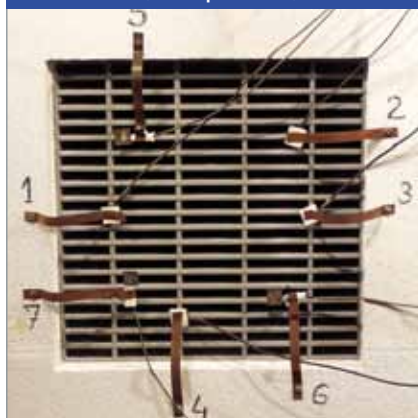
These fire resistant ventilation grilles are developed to allow the free circulation of air at room temperature through construction elements (walls, doors etc.) while at the same time offering effective protection against flames, smoke and gases in case of fire.

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.

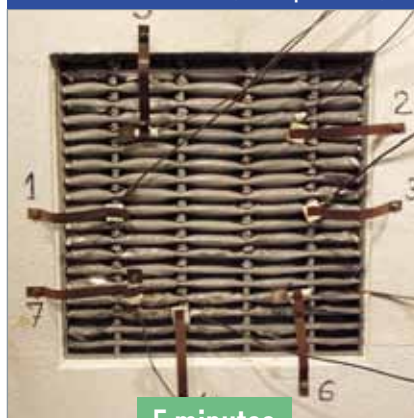
Features

- **VENTILODICE V** intumescent grilles 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.
- For interior applications only (avoid contact with water and constant temperatures above 40°C).

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

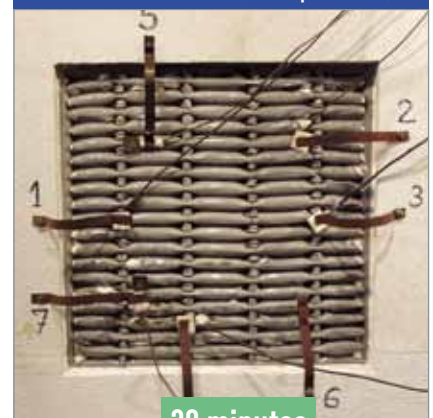


VENTILODICE V after 5 minutes of the fire resistance test (non-exposed side)



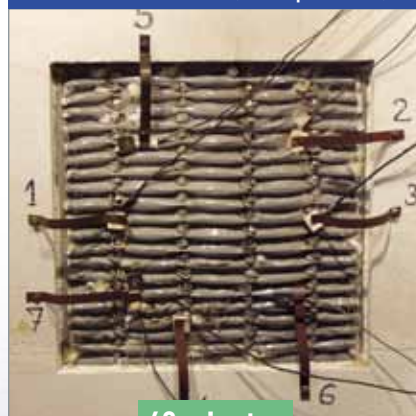
5 minutes

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



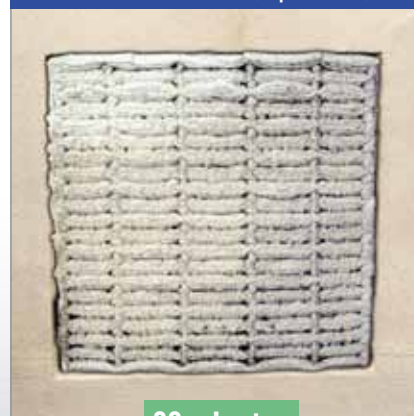
30 minutes

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

VENTILODICE V intumescent grilles 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.

“Ventilodice V40” vision grilles

Type	VENTILODICE V40	Fire rating
Nominal width	From 100 to 600 mm (in 25 mm increments)	VENTILODICE V40 grilles can be used in doors, partitions and walls for fire ratings of 30 to 60 minutes (*). For more details, refer to the test reports of the manufacturers of doors, partitions or walls or contact us.
Nominal height	From 100 to 600 mm (in 25 mm increments)	
Actual thickness	40 mm	
Free air flow	60%	
Colour of surround and blades	Grey	

“Ventilodice V50” grilles vision

Type	VENTILODICE V50	Fire rating
Nominal width	From 100 to 600 mm (in 25 mm increments)	VENTILODICE V50 grilles can be used in doors, partitions and walls for fire ratings of 60 to 90 minutes (*). For more details, refer to the test reports of the manufacturers of doors, partitions or walls or contact us.
Nominal height	From 100 to 600 mm (in 25 mm increments)	
Actual thickness	50 mm	
Free air flow	60%	
Colour of surround and blades	Grey	

“Ventilodice V60” grilles vision

Type	VENTILODICE V60	Fire rating
Nominal width	From 100 to 600 mm (in 25 mm increments)	VENTILODICE V60 grilles can be used in doors, partitions and walls for fire ratings of 90 to 120 minutes (*). For more details, refer to the test reports of the manufacturers of doors, partitions or walls or contact us.
Nominal height	From 100 to 600 mm (in 25 mm increments)	
Actual thickness	60 mm	
Free air flow	60%	
Colour of surround and blades	Grey	

(*) The fire resistance duration depends on the type and thickness of the carrier material. The installer must verify the product's compliance with national regulations.

Installation

VENTILODICE V grilles must be fixed mechanically into walls or doors using appropriate screws.

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

Any fitting clearances of up to 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 V** intumescent grilles" for practical details.

Compatibility

The intumescent 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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