AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

VENTILODICE ® V & VC - Technical Data Sheet-en

澳迪斯防火科技（廊坊）有限公司

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销售及选型联系 / Sales & product enquiries

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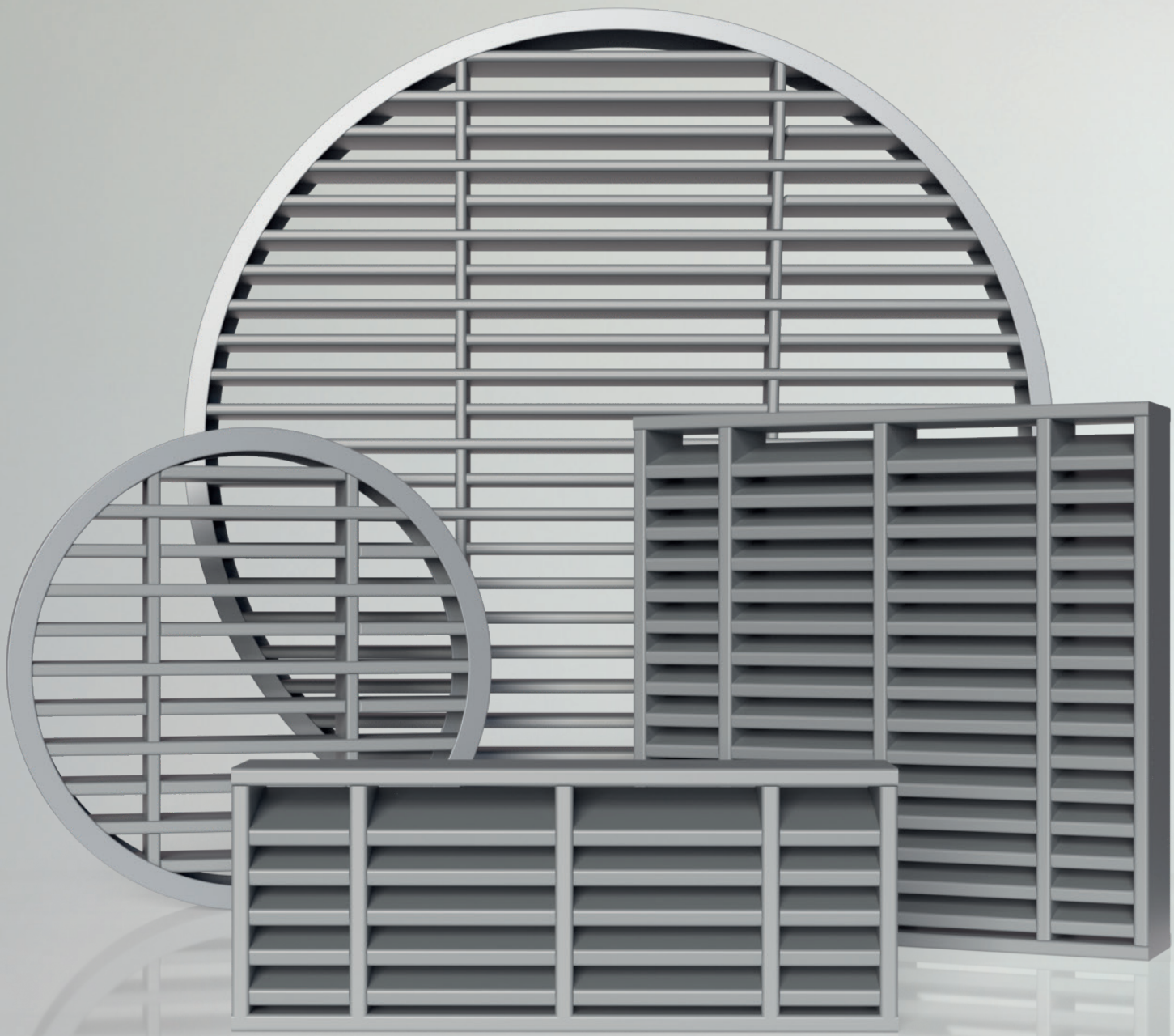
www.gmfireproof.com

以上为销售联系信息，不替代安全数据表中的应急联系电话。
原始技术内容及制造商、检测机构和证书签发信息见后续资料页。

Sales contact only; emergency contacts in safety data sheets remain applicable.
Original technical, manufacturer and certification details follow.

Technical Product Data Sheet

VENTILODICE V & VC



kuhnodice

Tech. Rev.: 1.0
Ling. Rev.: 1.0

Product description

VENTILODICE V (square) and VENTILODICE VC (round) are intumescent ventilation grilles that have been specially developed to enable natural ventilation through fire-resistant walls or doors. At temperatures of 100 °C or higher, the grilles expand and seal the ventilation openings, blocking the passage of flames, smoke and hot gases. The ventilation grilles come with high fire resistance classes (EI 30 to EI 120) and are available in a variety of sizes for meeting different construction requirements.

Properties

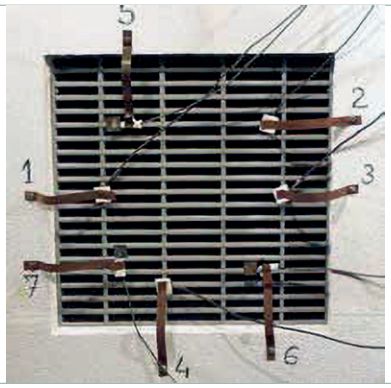
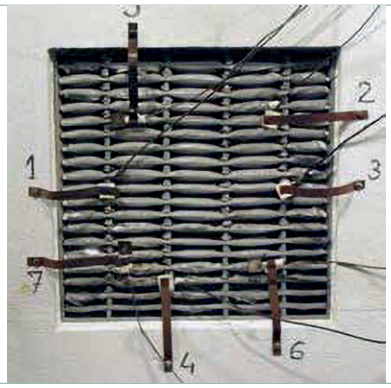
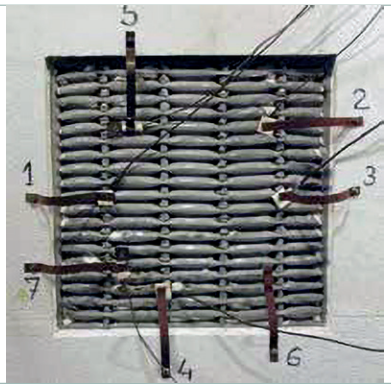
- Intumescent material
- Reacts from 100 °C
- High level of airflow during normal operation
- Allows air to circulate freely at room temperature
- Available in various sizes up to 600 mm wide and 400 mm high

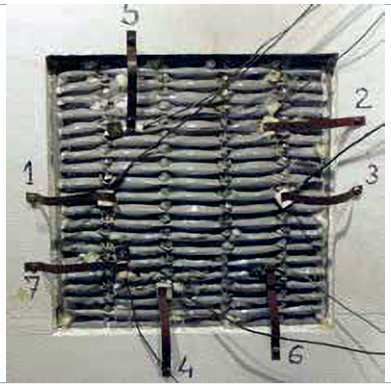
Fields of application

- Fire-resistant doors and walls
- Breaks between fire compartments in buildings
- Ventilation systems
- Areas with fire protection in public or industrial buildings
- Fire protection systems in indoor spaces where ventilation is required
- Ventilation systems for fire-resistant partition walls and floors

Technical data

Composition	Thermoplastic lamellas with PALUSOL® strips
Material structure	Lamellar structure
Start of reaction [°C]	100 °C
Unobstructed airflow	60%
Storage	Store in a dry and well ventilated location; avoid direct contact with water and high humidity.

before the fire resistance test (non-exposed side)	after 5 minutes (non-exposed side)	after 30 minutes (non-exposed side)
		

after 60 minutes (non-exposed side)	after 90 minutes (non-exposed side)
	

Design variants

Product	Width	Length	Height	Fire resistance duration	Fire resistance with cover
	[mm]			in minutes	
VENTILODICE V	25	on request		15–30(*)(**)	–
	40	100–600		60(*)	120(*)
	50			90(*)	120(*)
	60			120(*)	120(*)
	Width	**Diameter**		**Fire resistance duration**	**Fire resistance with cover**
	[mm]			in minutes	
VENTILODICE VC	40	100–400		60(*)	120(*)
	60			120(*)	120(*)

(*) The fire resistance depends on the type and thickness of the supporting surface. The installer must ensure that its products comply with the national regulations.
(**) Fire resistance was ascertained by our customers in their official fire tests (classification reports are unavailable).

The grilles provide an unobstructed airflow of approx. 60%, allowing for efficient ventilation.

Tested according to EN 1364-5, EN 1363-1, EN 1363-2, EN 13501-2.

Note: The cover is not included in the scope of delivery. Maximum permitted dimensions: 600 x 600 mm.

Colour

Grey

Processing information

1. Preparation:
   - Ensure that the installation surfaces are clean, dry and free from dust or grease.
2. Installing the VENTILODICE V (square grille):
   - Mount the grille in walls or doors using suitable screws.
   - Ensure that the grille is sitting tightly and fits well in the designated opening.
3. Installing the VENTILODICE VC (round grille):
   - Use ACRYLODICE F intumescent sealant to affix and seal the grille in the opening.
4. Installation tolerances and seal:
   - The actual dimensions of the grille are 3 mm smaller than the specified dimensions. Therefore, ensure sufficient play during the installation.
   - Any filling clearances of up to 4–5 mm should be filled with ACRYLODICE F or INTERDENS strips to ensure a complete seal.
5. Safety measures:
   - Note the general occupational health and safety provisions.

