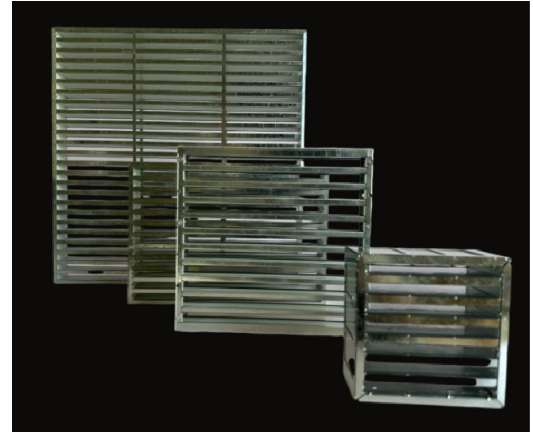


## DAKEN Fire Rated Ventilation Grilles

### Introduction

In case of fire, the silicate-based fire-protection panels expand under the action of heat with generation of foaming pressure. The non-combustible, heat-insulating and pressure-resistant foam prevents fire and smoke from spreading to other rooms for a given period of time by filling joints and gaps. These grilles are suitable for use in fire doors, partition walls, equipment rooms, and ventilation systems where both airflow and fire compartmentation are required.



### Highlights

- Low response temperature and short reaction time;
- Reliable resistance to fire and smoke for a defined period of times (up to 120 minutes);
- Emits water vapor and creates a heat-absorbing effect;
- Surface-treated for durable performance in outdoor or high-humidity conditions;
- Smokeless, non-toxic, no harmful gas emissior

### Key Features



#### Customizable & adaptable

Available in standard modules or fully custom sizes for seamless integration into doors, walls, and duct openings.



#### Functionality

Provides high free-airflow during daily operation, During a fire the system is designed to close and to provide a fire barrier to restrict the passage of hot gases.



#### Durable & low-maintenance

Metal frame resists deformation, while the intumescent core offers excellent adhesion, moisture resistance, and long-term stability.



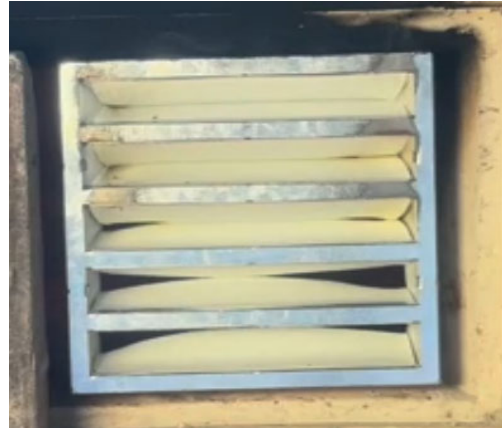
#### Multiple fire ratings

Fire-resistance durations ranging from 30 to 120 minutes to meet different requirements.

## Fire Resistance Test



Before the fire resistance test (unexposed side)



DFG (Unexposed Side) - 5 min into Fire Resistance Test



DFG (Unexposed Side) - 30 min into Fire Resistance Test



DFG (Unexposed Side) - 60 min into Fire Resistance Test



DFG (Unexposed Side) - 90 min into Fire Resistance Test

## PRODUCT RANGE - GRILLES

Fire Rated Ventilation Grilles are available in a full range of sizes and thicknesses to suit all types of applications. Standard Color: Grey. (Please contact us for other colors.)

	DFG 25	DFG 40	DFG 50	DFG 60
Width (mm)	Custom	100-600	100-600	100-600
Height (mm)	Custom	100-600	100-600	100-600
Thickness (mm)	25	40	50	60
Air Flow	60%	60%	60%	60%
Fire Resistance	15 and 30min	60min	90min	120min