



## Fire resistant door and transfert grilles type Gz60+GzKV+GzKF

Rectangular fire resistant ventilation grilles **GZ60** are applicable for fire compartmentation within buildings. The grille is made of blades, which swell at a temperature of approximately 100°C, thereby closing the opening. The fire resistant grilles are only applicable in systems without pressure (natural ventilation). Due to its form, in combination with fixed finishing frame **GZKF** and variable counterframe **GZKV** and possibility of availability in 3 different colors, it forms an aesthetic alternative on existing fire resistant grilles

### Application

- In fire resistant walls, doors, floors and ceilings
- Fire resistant up to 1 hour.
- Not suitable for outdoor use
- Maintenance-free
- Available in standard sizes and upon request in sizes 100 upto 800 mm in width and 100 upto 400 mm in height
- Standardly equipped for door thickness between 40 and 50 mm with fixed frame **GZKF** and variable counterframe **GZKV**. For door thickness between 50 and 68 mm a grille with 2 variable frames **GZKV** can be ordered upon request (also see drawing in download area)

### Material

- PVC lamellas and frame with intumescent material inside, coated with colored foil

### Colour

- Standard delivered in alu-look pearl light grey **RAL9022**
- Upon request in white **RAL9016**
- Upon request in graphite grey **RAL7024**

### Composition

- Grille **GZ60** with fixed finishing frame **GZKF**
- Variable telescopic counterframe **GZKV**

### Mounting

- To be mounted in fire resistant walls, floors or ceilings by means of fire resistant silicone **BMS** or plaster **BP**

## Fire resistant grilles

### Certification

- Approval according to EN 13501-2: EI60

### Accessories

- Fire resistant silicone, type **BMS**
- Fire resistant plaster, type **BP**
- Fire resistant PU foam, type **BAP**

### Order example

- GZ60 + GZKF + GZKV, 400, 200, RAL9022**

Explanation

**GZ60** = Type of fire resistant grill

**+ GZKF** = With fixed finishing frame

**+ GZKV** = With Variable counter-frame

**400** = Length of grill

**200** = Height of grill

**RAL9022** = aluminum color

Quick selection table								
H/L [mm]	200	300	400	500	600	700	800	
100	19.3	28.5	38	47.8	58.1	67.8	79.7	Q(Δp=2Pa)
	42.50	65.3	88.2	111.4	134.7	158.2	182.0	Q(Δp=10Pa)
200	48.3	76.5	107.4	141.0	177.2	216.1	257.7	Q(Δp=2Pa)
	112.5	175.1	239.1	304.5	371.1	439.1	508.5	Q(Δp=10Pa)
300	80.8	133.0	192.2	258.4	331.7	412.0	499.3	Q(Δp=2Pa)
	184.2	289.2	397.7	509.7	625.2	744.3	866.8	Q(Δp=10Pa)
400	116.7	197.7	292.1	400.1	521.5	656.4	804.8	Q(Δp=2Pa)
	257.6	407.3	563.8	727.0	897.0	1073	1257	Q(Δp=10Pa)

Free air passage								
H/L [mm]	200	300	400	500	600	700	800	
100	0.01071	0.01638	0.02205	0.02772	0.03338	0.03905	0.04472	Sn [m <sup>2</sup> ]
	53.55	54.60	55.13	55.44	55.63	55.79	55.90	Sn [%]
200	0.02179	0.03344	0.04509	0.05674	0.06839	0.08003	0.09168	Sn [m <sup>2</sup> ]
	54.48	55.73	56.36	56.74	56.99	57.16	57.30	Sn [%]
300	0.03288	0.05050	0.06813	0.08576	0.10339	0.12102	0.13864	Sn [m <sup>2</sup> ]
	54.80	56.11	56.78	57.17	57.44	57.63	57.77	Sn [%]
400	0.04396	0.06757	0.09117	0.11478	0.13839	0.16200	0.18561	Sn [m <sup>2</sup> ]
	54.95	56.31	56.98	57.39	57.66	57.86	58.00	Sn [%]

### Symbols and specifications

- H/L [mm] = Height and Width of grille in mm
- Sn [m<sup>2</sup>] = Free area given in m<sup>2</sup>
- Sn [%] = Free area given in %

