

ALFA FR GRILLE DS

Intumescent FR Grille for doors

TECHNICAL DATA SHEET



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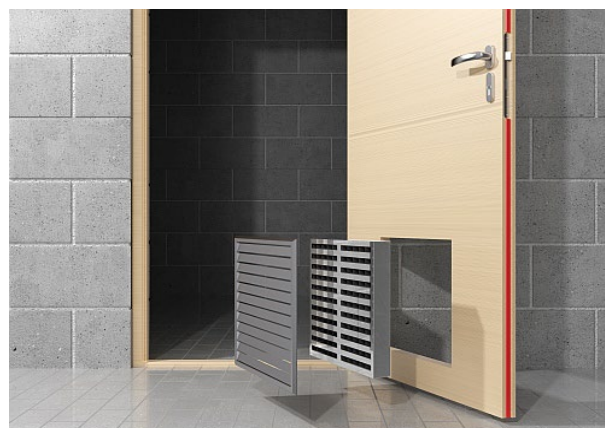
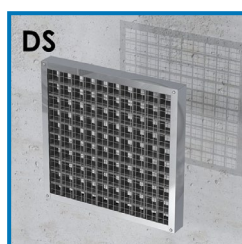
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PRODUCT DESCRIPTION

The **ALFA FR GRILLE DS** fire-resistant ventilation grilles are made of a rigid steel frame with an intumescent insert. In the event of a fire, the expansion of the intumescent element of the grille prevents the spread of fire and hot gases.

APPLICATION

ALFA FR GRILLE DS grilles are installed in the ventilation openings in doors.



COMPLIANCE

National Technical Assessment:

ITB-KOT-2020/1275

Declaration of performance:

AGSO – 5/2020

Certificate of constancy of performance:

020-UWB-2845/W

AVAILABILITY

- It is possible to order **ALFA FR GRILLE DS** in a non-standard size upon individual agreement

TRANSPORT AND STORAGE

Transport and store in a dry and cool place at a temperature between +5°C and +35°C.

Height x width [mm]	ALFA FR GRILLE DS										
	100	150	200	250	300	350	400	450	500	550	600
100	100x100	150x100	200x100	250x100	300x100	350x100	400x100	450x100	500x100	550x100	600x100
150		150x150	200x150	250x150	300x150	350x150	400x150	450x150	500x150	550x150	600x150
200			200x200	250x200	300x200	350x200	400x200	450x200	500x200	550x200	600x200
250				250x250	300x250	350x250	400x250	450x250	500x250	550x250	600x250
300					300x300	350x300	400x300	450x300	500x300	550x300	600x300
350						350x350	400x350	450x350	500x350	550x350	600x350
400							400x400	450x400	500x400	550x400	600x400
450								450x450	500x450	550x450	600x450
500									500x500	550x500	600x500
550										550x550	600x550
600											600x600

INSTALLATION METHOD

1. Clean the surface of the opening from grease and other impurities.
2. Select the size of the grille according to the size of the opening.
3. Press the grille into the opening.
4. Fill in the remaining gaps and cavities with fire protection compound (e.g. **ALFA FR MASTIC**).
5. Attach the cover plates (e.g. **ALFA ATG**) on both sides of the door with steel screws.

ASSEMBLY FIRE CLASSIFICATION AND TECHNICAL DATA

Type	Dimensions ALFA FR GRILLE [mm]	Thickness ALFA FR GRILLE [mm]	Fire resistance class	Use
ALFA FR GRILLE DS	100 x 100 ÷ 600 x 600	50	EI 60	door

DETAILS OF THE SOLUTION

ALFA FR GRILLE DS

Fig. 1 View of ALFA FR GRILLE DS.

- 1: metal casing
- 2: steel wire mesh
- 3: intumescent insert

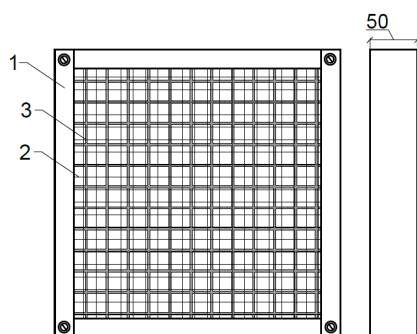


Fig. 2: Cross-section through door

- 1: door
- 2: louvre grille e.g. **ALFA ATG**
- 3: room connectors
- 4: fire protection compound e.g. **ALFA FR MASTIC**
- 5: intumescent fire protection grille for door **ALFA FR GRILLE DS**

