


product	Firetect® Air grill
description	fire rated air transfer grille
intended use	service closure for air transfer services, to form a penetration seal in case of fire to reinstate the fire resistance of fire compartments
certification	tested acc. EN 1364-5 + classified acc. EN 13501-2

constructive element ¹⁾	
fire rated walls acc. EN 1363-1	<ul style="list-style-type: none"> - standard flexible walls $\geq 100\text{mm}$, eg 50mm MS profiles with on 2 sides min. 2x 12,5mm plaster board type F + insulation: rock wool $\geq 50\text{mm}$, density $\geq 100 \text{ kg/m}^3$ - standard rigid walls $\geq 100\text{mm}$: blockwork, (aerated) concrete or masonry, density $\geq 650 \text{ kg/m}^3$
fire rated floors acc. EN 1363-1	<ul style="list-style-type: none"> - standard rigid floors $\geq 150\text{mm}$: (aerated) concrete, density $\geq 650 \text{ kg/m}^3$
¹⁾ the supporting construction must be classified acc. EN 13501-2 for the required fire resistance period	

fire resistance			
field of application:	acc. EN 13501-2 / 1364-5		
EI 60 up to EI 120: Air grill	air transfer grilles:	walls	floors
- ventilation grills	$\leq 600 \times 600\text{mm}$	EI 60	EI 120

directions for use	
important	application must follow TDS
equipment	caulking gun
surface preparation	<ul style="list-style-type: none"> - ensure that service elements are firmly anchored with constructive elements on either side - the penetration opening must be clean, dry and degreased; remove any debris and dust - with uneven surfaces and small gaps, <u>first</u> seal with Acrylic or PA sealer to improve smoke seal efficiency
application	<p>air transfer services</p> <ul style="list-style-type: none"> - position grill centrally in constructive element if required, install a temporary support construction for fixation - mount by applying Acrylic sealant joint detail: width x air grill thickness <p>note max. aperture size = nominal size grill + max. 10mm</p>


additional product info	Firetect® is a registered brand of KLF
charts field of application:	© KLF Building Products
- air control	disclaimer
Consult firetect.eu/download for updated versions; product development + fire tests are ongoing processes at KLF. Contact KLF for other EI requirements and (non)standard or complex site requirements; mail info@klf.nl	

specifications		Firetect® Air grill
material	air transfer grill with fire retardant fillers	
colour	dark grey	
fire resistance	EI 60 up to EI 120, depending on application and configuration	
 tested acc.	EN 1364-5	
classified acc.	EN 13501-2	
environmental performance		
release of dangerous substances	none: non-formaldehyde, non-asbestos	
use category	Z ₂ internal use	
application conditions	between +5 °C and +30 °C, max. 70% RH	
expansion pressure	0.9 up to 1.5N/mm ²	
pressure loss	see below	
packaging	per 1 piece in carton	
storage	store dry, between +5 °C and +30 °C, max. 70% RH, avoid condensation and UV	
shelf life	infinite, if stored acc. instructions	
activation temperature	approx. +110 °C	
flash point	not applicable	

available sizes							
standard size, in mm	nominal: 400x400mm + 600x600mm; actual sizes are approx. 3mm smaller						
standard thickness	40 + 50 + 60 mm						
position of profiles upon request	straight or angled (non-vision) other square or circular sizes and other colours						
pressure loss	height	width	area	free area	pressure	pressure	
	nom. mm	nom. mm	m ²	in %	2 Pa	10 Pa	
200x100	200	100	0,02	55	75	150	
300x100	300	100	0,03	57	100	225	
400x100	400	100	0,04	57	150	300	
300x200	300	200	0,06	60	225	475	
400x200	400	200	0,08	60	300	650	
500x200	500	200	0,10	61	375	800	
300x300	300	300	0,09	61	325	700	
400x300	400	300	0,12	62	450	950	
500x300	500	300	0,15	62	550	1100	
400x400	400	400	0,16	62	650	1350	
500x400	500	400	0,20	62	900	1900	
600x400	600	400	0,24	63	1350	2800	
500x500	500	500	0,25	63	1500	3000	
600x500	600	500	0,30	63	1900	3800	
600x600	600	600	0,36	63	2500	5200	

limitations	- do not use in humid conditions
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transport & storage	<ul style="list-style-type: none"> - during transport: keep dry; do not stack pallets - store dry; best kept in cool, dark conditions - store on level ground; do not stack pallets - HS code: 28391900
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health & safety	<ul style="list-style-type: none"> - no specific restrictions - work according to health & safety Directive and use appropriate PPE - this product is classified as not dangerous under Regulation 1272/2008 and is in compliance with CLP regulations 	
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