

1. Unique identification of product	Firetect® C	
2. Intended use ETAG 018-1, type 4 ETAG 018-1, type 8	fire protective calcium silicate board to protect elements to be used in assemblies: - loadbearing steel elements - non-loadbearing walls	
3. Manufacturer	KLF Building Products BV Techniekweg 11, 4207 HC Gorinchem, The Netherlands	
4. Authorised representative	not applicable	
5. System of AVCP	System 1	
6a. Harmonised standard	not applicable	
Notified body	not applicable	
6b. European Assessment Document (EAD)	ETAG 018-4	
European Technical Assessment (ETA)	ETA-14/0293	
Technical Assessment Body (TAB)	SKG-IKOB	
Identification notified body	No. 0957	
7. Declared performances		
basic requirements	characteristics	performances
BWR 1 Mechanical resistance and stability		not applicable
BWR 2 Safety in case of fire EN 13501-1 EN 13501-2	reaction to fire resistance to fire	Class A1 per tested assembly; R 30 up to R 180 EI 30 up to EI 240
BWR 3 Hygiene, health and environment ETAG 018-4 ETAG 018-4 declaration of manufacturer (DoP)	air permeability water permeability release of dangerous substances	npd npd no release of dangerous substances
BWR 4 Safety in use - EOTA TR001 mechanical resistance / stability EN 12467 resistance mechanical fastening ETAG 018-4 resistance to movement adhesion	flexural strength pull-through pull-out shear load resistance with soft / hard body impact-load	7.46 Mpa 1025 N 0.93 kN 606 N pass
		npd
BWR 5 Protection against noise EN 10140-2, EN ISO 717-1 EN ISO 11654 EN ISO 717-2	airborne sound insulation sound absorption impact sound insulation	npd npd npd
BWR 6 Energy, economy and heat retention EN 12664, EN 12667, EN 12939 EN ISO 12572, EN 12056	thermal properties water vapour permeability	npd npd
General aspects relation to fitness for use ETAG 018-4	durability and serviceability assumed working life for the intended use tensile strength perpendicular to the plane of the compressive strength	Z ₂ (internal use) 25 years 0.372 N/mm ² 8.6 N/mm ²
8. Specific Technical Documentation	not applicable	npd= no performance determined

The performances of the product identified are in conformity with the declared performances. This declaration of performance is issued, in accordance with Regulation 305/2011, under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer in Gorinchem on April 3 2017 by C. Buikema



field of application (FoA)	Firetect® C
	tested and certified by ETA-14/0293-C; fire resistance performances and assembly methods for uses in:

constructive element	
loadbearing steel elements type 4 acc. ETAG 018	- columns, profile sections 50 up to 355 [m ⁻¹] - beams, profile sections 50 up to 355 [m ⁻¹]
non-loadbearing walls type 8 acc. ETAG 018	- drylining assemblies: partitions

field of application: fire resistance in R or EI				configuration
acc. EN 13501-2 / 13381-4	board cladding for structural steel			
R 30	columns	beams	board thickness depending on design temperature +	
R 60	500 ° C	600 ° C	factor [m ⁻¹] + no. of exposed sides	
R 90	ctc 1200mm	ctc 600mm	see tables ¹⁾ at www.firetect.eu/download	
R 120				
R 180				
acc. EN 13501-2 / 1364-1	fire rated partitions ²⁾			
EI 30	1 layer Firetect C10 on either side			
EI 60	1 layer Firetect C18 on either side			
EI 90	2 layer Firetect C15 on either side			
EI 120	2 layer Firetect C18 on either side			
EI 240	3 layer Firetect C15 on either side			
¹⁾ other design temperatures 350 °C up to 750 °C available upon request				
²⁾ flexible walls with cavity insulation under rigid floors ≥ 150mm, density ≥ 650 kg/m ³				

fasteners + finish	see TDS
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product information
Product certification by DoP; more info on certification of CE building products through ETA at firetect.eu/certification
- full DoP version: declaration of performance + tables board thickness; upon request
- web DoP version: declaration of performance; other info can be downloaded at firetect.eu/download
- tables board thickness for steel cladding: R performance at design temperatures 500° C + 600° C
- TDS: general directions for use + product specs
Consult firetect.eu/download for updated versions; product development + fire tests are ongoing processes at KLF.
Contact KLF for other R or EI requirements and (non)standard or complex site requirements; mail info@klf.nl

