1.	Unique identification of product	**Firetect® P**
2.	Intended use ETAG 018-1, type 4 ETAG 018-1, type 8	fire protective full-core plaster 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 Notified body	not applicable not applicable
6b.	European Assessment Document (EAD) European Technical Assessment (ETA) Technical Assessment Body (TAB) Identification notified body	ETAG 018-4 ETA-14/0292 SKG-IKOB No. 0957

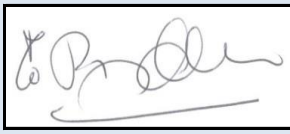
7. Declared performances

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 60 up to EI 180
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 	 4,08 Mpa 629 N 0.93 kN 928 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 0.466 N/mm^2 12.6 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® P**
	tested and certified by ETA-14/0292-P; 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

acc. EN 13501-2 / 13381-4 — **board cladding for structural steel**

	columns	beams	board thickness depending on design temperature + factor [m^{-1}] + no. of exposed sides see tables [1] at www.firetect.eu/download
R 30	500 ° C	600 ° C	
R 60	ctc 1200mm	ctc 600mm	
R 90			
R 120			
R 180			

acc. EN 13501-2 / 1364-1 — **fire rated partitions** [2]

EI 60	1 layer Firetect P10 on either side
EI 90	1 layer Firetect P15 on either side
EI 120	1 layer Firetect P20 on either side
EI 180	2 layer Firetect P20 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

other fields of application: NON-ETA fire resistance in minutes

acc. EN 1995-1-2+C2 — **fire rated shaft walls** [3a] — Eurocode 5 (out of scope ETA 14/0292-P)

30 minutes	1 layer Firetect P20
60 minutes	2 layer Firetect P15
90 minutes	2 layer Firetect P20
120 minutes	1 layer Firetect P25 + 1 layer Firetect P30

acc. EN 1995-1-2+C2 — **fire rated ceilings** [4] — Eurocode 5 (out of scope ETA 14/0292-P)

90 minutes — 1 layer Firetect A20 + 1 layer Firetect P12,5

acc. NEN 6068+C1 — **flame barriers for adjacent joint wall** [3b] **/ roof** [5] **/ facade**

30 minutes	1 layer Firetect P12,5 495x1200mm on 1 side	
60 minutes	1 layer Firetect P12,5 495x1200mm on 2 sides	Dutch NEN (out of scope ETA 14/0292-P)

[3] rigid constructive element ≥ 150mm, density ≥ 650 kg/m^3: shafts under rigid floors [3a] + adjacent joint onto rigid walls [3b]
[4] flexible ceilings with plenum insulation under structural timber floors
[5] trapezoidal corrugated steel roofs with mineral wool roof insulation. For EPS / PIR / PUR insulation, additional measurements are required.

fasteners + finish — zie TDS

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

CE

EOTA European Organisation for Technical Assessment