

1. Unique identification of product	<b>Firetect® A</b>	
2. Intended use ETAG 018-1, type 4	fire protective mineral board to protect elements to be used in assemblies: - loadbearing steel elements	
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)	<a href="#">ETA-14/0402</a>	
Technical Assessment Body (TAB)	SKG-IKOB	
Identification notified body	No. 0957	
7. Declared performances		
<b>basic requirements</b>	<b>characteristics</b>	<b>performances</b>
<b>BWR 1 Mechanical resistance and stability</b>		not applicable
<b>BWR 2 Safety in case of fire</b> EN 13501-1 EN 13501-2	reaction to fire resistance to fire	Class A2-s1, d0 per tested assembly; R 30 up to R 180
<b>BWR 3 Hygiene, health and environment</b> 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
<b>BWR 4 Safety in use - EOTA TR001</b> 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	npd npd npd npd npd
<b>BWR 5 Protection against noise</b> 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
<b>BWR 6 Energy, economy and heat retention</b> EN 12664, EN 12667, EN 12939 EN ISO 12572, EN 12056	thermal properties water vapour permeability	npd npd
<b>General aspects relation to fitness for use</b> ETAG 018-4	durability and serviceability assumed working life for the intended use tensile strength perpendicular to the plane of the compressive strength	Z <sub>2</sub> (internal use) 25 years npd npd
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)	<b>Firetect® A</b>
	tested and certified by ETA-14/0402-A; fire resistance performances and assembly methods for uses in:

<b>constructive element</b>	
<b>loadbearing steel elements</b> type 4 acc. ETAG 018	- columns, profile sections 50 up to 355 [m <sup>-1</sup> ] - beams, profile sections 50 up to 355 [m <sup>-1</sup> ]

<b>field of application:</b> fire resistance in R or EI		<b>configuration</b>
acc. EN 13501-2 / 13381-4	<b>board cladding for structural steel</b>	
<b>R 30</b>	columns	beams
<b>R 60</b>	500 ° C	600 ° C
<b>R 90</b>	ctc 1200mm	ctc 600mm
<b>R 120</b>		
<b>R 180</b>		
		board thickness depending on design temperature + factor [m <sup>-1</sup> ] + no. of exposed sides see tables <sup>1)</sup> at <a href="http://www.firetect.eu/download">www.firetect.eu/download</a>
<sup>1)</sup> other design temperatures 350 °C up to 750 °C available upon request		

<b>other fields of application: NON-ETA</b> fire resistance in minutes		
acc. EN 1995-1-2+C2	<b>fire rated ceilings</b> <sup>2)</sup>	Eurocode 5 (out of scope ETA 14/0402-A)
<b>30</b> minutes	1 layer Firetect A15	
<b>60</b> minutes	1 layer Firetect A20	
<b>90</b> minutes	2 layer Firetect A15 or 1 layer Firetect A20 + 1 layer Firetect P12,5	
<b>120</b> minutes	2 layer Firetect A20	
acc. NEN 6068+C1	<b>flame barriers for adjacent joint wall</b> <sup>3)</sup> / <b>roof</b> <sup>4)</sup> / <b>facade</b>	Dutch NEN (out of scope ETA 14/0402-A)
<b>30</b> minutes	1 layer Firetect A20 495x1200mm on 1 side	
<b>60</b> minutes	1 layer Firetect A20 495x1200mm on 2 sides	
<sup>2)</sup> ceilings under structural timber floors or steel roofs <sup>4)</sup>		
<sup>3)</sup> rigid walls ≥ 150mm, density ≥ 650 kg/m <sup>3</sup>		
<sup>4)</sup> trapezoidal corrugated steel roofs with mineral wool roof insulation. For EPS / PIR / PUR insulation, additional measurements are required.		

<b>fasteners + finish</b>	see TDS
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<b>product information</b>	
Product certification by DoP; more info on certification of CE building products through ETA at <a href="http://firetect.eu/certification">firetect.eu/certification</a>	
- full DoP version: declaration of performance + tables board thickness; upon request	
- web DoP version: declaration of performance; other info can be downloaded at <a href="http://firetect.eu/download">firetect.eu/download</a>	
- tables board thickness for steel cladding: R performance at design temperatures 500° C + 600° C	
- TDS: general directions for use + product specs	
Consult <a href="http://firetect.eu/download">firetect.eu/download</a> 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 <a href="mailto:info@klf.nl">info@klf.nl</a>	
 	