

1. Unique identification of product	<b>Firetect® PA sealer</b>	
2. Intended use	service closure for structural (expansion) joints and openings for pipe + cable penetrations, to form a penetration seal in case of fire to reinstate the fire resistance of:  - standard flexible walls $\geq$ 100mm - standard rigid walls $\geq$ 100mm - standard rigid floors $\geq$ 150mm	
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)	350454-00-1104	350141-00-1106
European Technical Assessment (ETA)	ETA-14/0273	ETA-15/0630
Certificate of Constancy of Performance	0960-CPR-SKGIKOB.011133.01.NL	
Technical Assessment Body (TAB)	SKG-IKOB	SKG-IKOB
Identification notified body	No. 0960	No. 0960
7. Declared performances		
<b>basic requirements</b>	<b>characteristics</b>	<b>performances</b>
<b>BWR 1 Mechanical resistance + stability</b>		not relevant
<b>BWR 2 Safety in case of fire</b>		
EN 13501-1	reaction to fire	Class F
EN 13501-2	resistance to fire	per tested assembly; EI 30 up to EI 240, + Sa - S200; see ANNEX BWR2 + ANNEX A
	field of application	
<b>BWR 3 Hygiene, health + environment</b>		IA1, S/W3
EAD ...-1104, §2.2.3 + EAD ...-1106, §2.2.4	air permeability	npd
EAD ...-1104, §2.2.4 + EAD ...-1106, §2.2.5	water permeability	npd
EAD ...-1104, §2.2.5 + EAD ...-1106, §2.2.3	content, emission and/or release of dangerous substances	not dangerous under Regulation 1272/2008 in compliance with CLP regulations
<b>BWR 4 Safety + accessibility in use</b>		
EAD ...-1104, §2.2.6 + EAD ...-1106, §2.2.6	mechanical resistance + stability	npd
EAD ...-1104, §2.2.7 + EAD ...-1106, §2.2.7	resistance to impact / movement	npd
EAD 350141-00-1106, §2.2.8	adhesion	passed
EAD ...-1104, §2.2.9 + EAD ...-1106, §2.2.12	durability	Z <sub>2</sub> (internal use)
EAD 350141-00-1106, §2.2.13	movement capability	max. 7,5% SA (self-adhering)
<b>BWR 5 Protection against noise</b>		
EAD 350454-00-1104, §2.2.10	airborne sound insulation	R <sub>s,w</sub> = 44 dB up to 53 dB
	field of application	see ANNEX B
<b>BWR 6 Energy economy + heat retention</b>		
EAD 350454-00-1104, §2.2.11	thermal properties	npd
EAD 350454-00-1104, §2.2.12	water vapour permeability	npd
<b>General aspects relation to fitness for use</b>		
EAD 350454-00-1104, §1.2.2	assumed working life for the intended use	10 years

8. Specific Technical Documentation not applicable npd= no performance determined

The performances of the products 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 dated 18-10-2019 by C. Buikema



field of application (FoA)	<b>Firetect® PA sealer</b>
	tested and certified by ETA-14/0273 + ETA-15/0630; fire resistance performances and assembly methods for uses in:

<b>constructive element</b> <sup>1)</sup>	
<b>fire rated walls</b> acc. EN 1363-1	- flexible wall ≥100mm; metal or timber studs, plaster board type A + wall insulation - rigid wall ≥100mm: blockwork/concrete/masonry, density ≥ 600 kg/m <sup>3</sup> - rigid wall ≥150mm: blockwork/concrete/masonry, density ≥ 600 kg/m <sup>3</sup>
<b>fire rated floors</b> acc. EN 1363-1	- rigid floor ≥150mm: (aerated) concrete, density ≥ 600 kg/m <sup>3</sup>
<sup>1)</sup> the constructive element must be classified acc. EN 13501-2 for the required fire resistance period	

<b>fire resistance</b>		<b>smoke control</b> acc. EN 1634-3 smoke leakage control: <b>Sa - S200</b>
<b>field of application:</b> EI 30 up to EI 240: PA sealer	acc. EN 13501-2 / 1366-3	<b>structural openings for pipe + cable penetrations:</b> <sup>2)</sup>
- PE/PVC	≤ Ø50mm	also in PA board
- aluPE-X	≤ Ø75mm	also with pipe insulation
- PE-Xa	≤ Ø32 (54) mm	
- copper	≤ Ø54mm	also with pipe insulation + PA board
- steel	≤ Ø219mm	also with pipe insulation + PA board
- cable trays incl. cable ladders + wire mesh	≤ 600x1200mm +25% in walls ≤ 1000x1200 mm / 600x5000mm in floors	coat back is <b>not required</b> coat back is <b>not required</b>
- cable bundles	≤ Ø121mm	also in PA board
<b>field of application:</b> EI 60 up to EI 120: PA sealer	acc. EN 13501-2 / 1366-4	<b>structural joints:</b>
- linear joints	≤ 50mm	horizontal orientation, incl. abutting walls vertical orientation
<sup>2)</sup> support services; support distance: see principle detail		

<b>environmental performances</b>	<b>BREEAM</b>	<b>LEED</b>	<b>VOC</b> France	<b>EN 717-1§</b>	<b>EMICODE</b>	<b>M1</b>	<b>Indoor Air</b>
example protocols, click for <a href="#">full list</a>	<input checked="" type="checkbox"/>		A+	E1	EC1 PLUS		Comfort GOLD

<b>fasteners</b>	not applicable fasten glass wool or rock wool individually (not wrapped!) with steel wire	see TDS
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<b>finish</b>	avoid contact with water during curing	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 + ANNEX BWR2 + ANNEX A + ANNEX B; upon request	
- web DoP version: declaration of performance + ANNEX BWR2; other info can be downloaded at <a href="http://firetect.eu/download">firetect.eu/download</a>	
- FoA charts; <a href="#">suitable products per type of fireseal + EI performance + product / joint details</a>	
- TDS: <a href="#">general directions for use + product specs</a>	
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 <b>other</b> EI requirements and (non)standard or complex site requirements; mail <a href="mailto:info@klf.nl">info@klf.nl</a>	
 	