

1. Unique identification of product

**Firetect® Flex plug**

2. Intended use

service closure for structural openings for 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  
Notified body

not applicable  
not applicable

6b. European Assessment Document (EAD)  
European Technical Assessment (ETA)  
Technical Assessment Body (TAB)  
Identification notified body

[350454-00-1104](#)  
[ETA-14/0251](#)  
SKG-IKOB  
No. 0960

7. Declared performances

**basic requirements**

**characteristics**

**performances**

**BWR 1 Mechanical resistance + stability**

not relevant

**BWR 2 Safety in case of fire**

EN 13501-1  
EN 13501-2

reaction to fire  
resistance to fire

Class F

field of application

per tested assembly; EI 90 up to EI 240,  
see ANNEX BWR2 + ANNEX A

**BWR 3 Hygiene, health + environment**

EAD 350454-00-1104, §2.2.3  
EAD 350454-00-1104, §2.2.4  
EAD 350454-00-1104, §2.2.5

air permeability  
water permeability  
content, emission and/or release of dangerous  
substances

IA1, S/W3

npd  
npd

not dangerous under Regulation  
in compliance with CLP regulations

**BWR 4 Safety + accessibility in use**

EAD 350454-00-1104, §2.2.6  
EAD 350454-00-1104, §2.2.7  
EAD 350454-00-1104, §2.2.8  
EAD 350454-00-1104, §2.2.9

mechanical resistance + stability  
resistance to impact / movement  
adhesion  
durability

npd  
npd  
npd  
Y<sub>1</sub> (internal use)

**BWR 5 Protection against noise**

EAD 350454-00-1104, §2.2.10

airborne sound insulation

npd

**BWR 6 Energy economy + heat retention**

EAD 350454-00-1104, §2.2.11  
EAD 350454-00-1104, §2.2.12

thermal properties  
water vapour permeability

npd  
npd

**General aspects relation to fitness for use**

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 on January 8 2019 by C. Buikema



field of application (FoA)	<b>Firetect® Flex plug</b>
	tested and certified by ETA-14/0251; 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>	acc. EN 13501-2 / 1366-3	
<b>field of application:</b>		
<b>EI 90 up to EI 240:</b> Flex plug	<b>structural openings for cable penetrations:</b>	
- cable bundles	≤ Ø20mm	<b>NO maintenance</b>

<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"/>	<input checked="" type="checkbox"/>	A+	E1		<input checked="" type="checkbox"/>	Comfort GOLD

<b>fasteners</b>	none	see TDS
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<b>finish</b>	none	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; 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>	
 	