

1. Unique identification of product

Firetect® Graphite sealant

2. Intended use

service closure for structural openings for pipe and cable penetrations, to form a penetration seal in case of fire to reinstate the fire resistance of:

- standard flexible walls $\geq 100\text{mm}$
- standard rigid walls $\geq 100\text{mm}$
- standard rigid floors $\geq 150\text{mm}$ incl. flexible ceilings

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-14/0273](#)
SKG-IKOB
No. 0960

7. Declared performances

essential 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
per tested assembly; EI 20 up to EI 240,
see ANNEX BWR2 + ANNEX A

field of application

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
 Z_2 (internal use)

BWR 5 Protection against noise

EAD 350454-00-1104, §2.2.10

airborne sound insulation

field of application

$R_{s,w} = 43\text{ dB}$ up to 53 dB
see ANNEX B

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)	Firetect® Graphite sealant
	tested and certified by ETA-14/0273; fire resistance performances and assembly methods for uses in:

constructive element ¹⁾	
fire rated walls 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 ³ - rigid wall ≥150mm: blockwork/concrete/masonry, density ≥ 600 kg/m ³
fire rated floors acc. EN 1363-1	- rigid floor ≥150mm: (aerated) concrete, density ≥ 600 kg/m ³ - flexible ceiling ≥150mm: metal studs, plaster board type F
¹⁾ the constructive element must be classified acc. EN 13501-2 for the required fire resistance period	

fire resistance		
field of application:	acc. EN 13501-2 / 1366-3	
EI 20 up to EI 240: Graphite sealant	structural openings for pipe + cable penetrations: ²⁾	
- PE/PP/PVC	≤ Ø125mm	also in PA board
- PP-R	≤ Ø110mm	also in cable trays + PA board
- PP-MD	≤ Ø110mm	
- aluPE-X	≤ Ø75mm	also with pipe insulation
- PE-Xa	≤ Ø32 (54) mm	also with pipe insulation
- copper	≤ Ø76mm	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 not required coat back is not required
- cable bundles	≤ Ø121mm	also in shaft walls
²⁾ support services; support distance: see principle detail		

environmental performances	BREEAM	LEED	VOC France	EN 717-1§	EMICODE	M1	Indoor Air
example protocols, click for full list	☑	☑	A+	E1	EC1 PLUS	☑	Comfort GOLD

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