

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 or 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)	ETAG 026-2	
European Technical Assessment (ETA)	ETA-14/0273	
Technical Assessment Body (TAB)	SKG-IKOB	
Identification notified body	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 field of application
	BWR 3 Hygiene, health and environment EN 1026 ETAG 026-3, Annex C declaration of manufacturer (DoP)	air permeability water permeability release of dangerous substances
	BWR 4 Safety in use - EOTA TR001 mechanical resistance and stability resistance to movement adhesion	npd npd npd
	BWR 5 Protection against noise EN 10140-2, EN ISO 717-1	airborne sound insulation
	BWR 6 Energy, economy and heat retention EN 12664, EN 12667, EN 12939 EN ISO 12572, EN 12056	thermal properties water vapour permeability
	General aspects relation to fitness for use ETAG 026-2, Annex B, B.6.2	durability and serviceability assumed working life for the intended use
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 October 2 2017 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	<ul style="list-style-type: none"> - standard flexible walls ≥ 100mm: 50mm MS profiles with on 2 sides min. 2x 12,5mm plaster board type F + insulation: rock wool ≥ 50mm, density ≥ 100 kg/m³ - standard rigid walls ≥ 100mm: blockwork, (aerated) concrete or masonry, density ≥ 650 kg/m³
fire rated floors acc. EN 1363-1	<ul style="list-style-type: none"> - standard rigid floors ≥ 150mm: (aerated) concrete, density ≥ 650 kg/m³

¹⁾ the supporting construction 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 30 up to EI 240: Graphite sealant	structural openings for pipe and cable penetrations:	
- PE/PP/PVC pipes	≤ Ø125mm	also in PA board
- PP-R pipes	≤ Ø110mm	also in cable tray 'DLS'
- PP-MD pipes	≤ Ø110mm	
- aluPE-X pipes	≤ Ø75mm	with and without pipe insulation
- PE-Xa pipes	≤ Ø32 (54) mm	with and without pipe insulation
- metal pipes	≤ Ø219mm	steel + copper, also in PA board
- cable trays	≤ 600x1200mm in walls ≤ 1000x1200 mm / 600x5000mm in floors	coat back is not required coat back is not required
- cable bundles	≤ Ø110mm	also in shaft walls

fasteners	- not applicable	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 + chart field of application (FoA) + principle configurations; upon request
- web DoP version: declaration of performance; other info can be downloaded at firetect.eu/download
- charts FoA: [suitable product 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


