

1. Unique identification of product	<b>Firetect® Wrap + Wrap-'n-roll</b>	
2. Intended use	service closure for structural openings for pipe penetrations, to form a penetration seal in case of fire to reinstate the fire resistance of:  - standard flexible walls ≥ 100mm - standard rigid walls ≥ 100mm - standard rigid floors ≥ 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)	<a href="#">350454-00-1104</a>	
European Technical Assessment (ETA)	<a href="#">ETA-14/0251</a>	
Certificate of Constancy of Performance	0960-CPR-SKGIKOB.011130.01.NL	
Technical Assessment Body (TAB)	SKG-IKOB	
Identification notified body	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 EN 13501-2	reaction to fire resistance to fire field of application
		Class F per tested assembly; EI 30 up to EI 240, see ANNEX BWR2 + ANNEX A
	<b>BWR 3 Hygiene, health + environment</b> 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
	<b>BWR 4 Safety + accessibility in use</b> 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)
	<b>BWR 5 Protection against noise</b> EAD 350454-00-1104, §2.2.10	airborne sound insulation
		npd
	<b>BWR 6 Energy economy + heat retention</b> EAD 350454-00-1104, §2.2.11 EAD 350454-00-1104, §2.2.12	thermal properties water vapour permeability
		npd 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® Wrap + Wrap-'n-roll</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>		
<b>field of application:</b>	acc. EN 13501-2 / 1366-3	
<b>EI 30 t/m EI 240: Wrap + Wrap-'n-roll</b>	<b>structural openings for pipe penetrations:</b> <sup>2)</sup>	
- PE/PP/PVC	≤ Ø160mm	also in PA board
- PP-R	≤ Ø125mm	
- PP-MD	≤ Ø160mm	also with pipe sockets
- PP-MX	≤ Ø160mm	also with pipe sockets
- aluPE-X	≤ Ø75mm	with pipe insulation + PA board
- PE-Xa	≤ Ø32 (54) mm	also with pipe insulation
- copper	≤ Ø76mm	with pipe insulation
- steel	≤ Ø219mm	with pipe insulation
<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"/>	<input checked="" type="checkbox"/>	A+	E1		<input checked="" type="checkbox"/>	Comfort GOLD

<b>fasteners</b>	wrap tight-fit with tape fasten glass wool or rock wool individually (not wrapped!) with steel wire	see TDS
------------------	--	---------

<b>finish</b>	apply smoke seal around pipe with Acrylic or PA sealer on 2 sides	see TDS
---------------	---	---------

<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; suitable products per type of fireseal + EI performance + product / joint details	
- 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 EI requirements and (non)standard or complex site requirements; mail <a href="mailto:info@klf.nl">info@klf.nl</a>	
 	