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| 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:<br>- standard flexible or rigid walls $\geq$ 100mm<br>- standard rigid floors $\geq$ 150mm |  |
| 3. Manufacturer                        | KLF Building Products BV<br>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 + 026-3   |  |
| European Technical Assessment (ETA)    | <a href="#">ETA-14/0273</a><br><a href="#">ETA-15/0630</a>   |  |
| Technical Assessment Body (TAB)        | SKG-IKOB   |  |
| Identification notified body           | no. 0957   |  |
| 7. Declared performances               |  |  |
|  | <b>basic requirements</b>  | <b>characteristics</b>   |
|  | <b>performances</b>  |  |
|  | <b>BWR 1 Mechanical resistance and stability</b>   | not applicable   |
|  | <b>BWR 2 Safety in case of fire</b><br>EN 13501-1<br>EN 13501-2  | reaction to fire<br>resistance to fire   |
|  |  | Class F<br>per tested assembly; EI 30 up to EI 240,<br>+ Sa - S200; see ANNEX BWR2 |
|  | <b>BWR 3 Hygiene, health and environment</b><br>EN 1026<br>ETAG 026-3, Annex C<br>declaration of manufacturer (DoP)  | air permeability<br>water permeability<br>release of dangerous substances          |
|  |  | IA1, S/W3<br>npd<br>npd<br>no release of dangerous substances                      |
|  | <b>BWR 4 Safety in use - EOTA TR001</b><br>mechanical resistance and stability<br>resistance to movement<br>adhesion   |  |
|  |  | npd<br>npd<br>npd  |
|  | <b>BWR 5 Protection against noise</b><br>EN 10140-2, EN ISO 717-1  | airborne sound insulation  |
|  |  | R <sub>s,w</sub> = 44 dB up to 53 dB   |
|  | <b>BWR 6 Energy, economy and heat retention</b><br>EN 12664, EN 12667, EN 12939<br>EN ISO 12572, EN 12056  | thermal properties<br>water vapour permeability                                    |
|  |  | npd<br>npd   |
|  | <b>General aspects relation to fitness for use</b><br>ETAG 026-2, Annex B, B.6.2   | durability and serviceability<br>assumed working life for the intended use         |
|  |  | Z <sub>2</sub> (internal use)<br>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 October 2 2017 by C. Buikema

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

**constructive element** <sup>1)</sup>

|  |   |
|--|---|
| <b>fire rated walls</b><br>acc. EN 1363-1  | - standard flexible walls ≥ 100mm:<br>50mm MS profiles with on 2 sides min. 2x 12,5mm plaster board type F<br>+ insulation: rock wool ≥ 50mm, density ≥ 100 kg/m <sup>3</sup> |
|  | - standard rigid walls ≥ 100mm:<br>blockwork, (aerated) concrete or masonry, density ≥ 650 kg/m <sup>3</sup>  |
| <b>fire rated floors</b><br>acc. EN 1363-1 | - standard rigid floors ≥ 150mm:<br>(aerated) concrete, density ≥ 650 kg/m <sup>3</sup>   |

<sup>1)</sup> the supporting construction 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<br>smoke leakage control: <b>Sa - S200</b> |
| <b>field of application:</b>         | acc. EN 13501-2 / 1366-3                                       |  |
| <b>EI 30 up to EI 240: PA sealer</b> | <b>structural openings for pipe and cable penetrations:</b>    |  |
| - PE/PP/PVC pipes                    | ≤ Ø50mm  | also in PA board   |
| - aluPE-X pipes                      | ≤ Ø75mm  | with and without pipe insulation   |
| - PE-Xa pipes                        | ≤ Ø32 (54) mm  |  |
| - metal pipes                        | ≤ Ø219mm   | steel + copper, also in PA board   |
| - cable trays                        | ≤ 600x1200mm in walls<br>≤ 1000x1200 mm / 600x5000mm in floors | coat back is <b>not required</b><br>coat back is <b>not required</b>           |
| - cable bundles                      | ≤ Ø110mm   | also in PA board   |
| <b>field of application:</b>         | acc. EN 13501-2 / 1366-4                                       |  |
| <b>EI 60 up to EI 120: PA sealer</b> | <b>structural joints:</b>                                      |  |
| - linear joints                      | ≤ 50mm   |  |

|                  |                  |         |
|------------------|------------------|---------|
| <b>fasteners</b> | - not applicable | see TDS |
|------------------|------------------|---------|

|               |  |         |
|---------------|--|---------|
| <b>finish</b> | - avoid contact with water during curing | see TDS |
|---------------|--|---------|

**product information**

Product certification by DoP; more info on certification of CE building products through ETA at [firetect.eu/certification](http://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](http://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](http://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](mailto:info@klf.nl)


