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| product | Firetect® PA sealer |
| description | acrylic based putty-paste, slightly intumescent |
| intended use | service closure for structural joints and structural openings for pipe and cable penetrations, to form a penetration seal in case of fire to reinstate the fire resistance of fire compartments |
| certification | tested and certified by ETA-14/0273 + ETA-15/0630 |

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| directions for use | |
| | <p>important - application must follow DoP No. CPR-14/0273+15/0630-paste - constructive element must be classified acc. EN 13501-2 for the required fire resistance period</p> |
| equipment | putty-knife or spatula |
| surface preparation | <p>- ensure that penetration services are firmly anchored with constructive element on either side; support services; support distance: see principle detail - the penetration opening must be clean, dry and degreased; remove any debris and dust - if aperture >30mm, use PA board; cut out service diameter and press board tight-fit in opening - do <u>not</u> dilute putty-paste; if necessary slightly stir</p> |
| application | <p>structural openings for pipe penetrations - apply on 2 sides (walls + floors) - apply joint detail acc. application + configuration (see principle detail); in general: joint width: min. 10mm (walls) + 15mm (floors) joint depth: min. 25mm; if required, use rock wool backing - avoid trapping air - fasten glass wool or rock wool individually (not wrapped!) with steel wire</p> <p>structural openings for cable penetrations - apply on 2 sides (walls + floors) - apply joint detail acc. application + configuration (see principle detail) - avoid trapping air</p> <p>note with cable trays, coat back is not required for cables + trays + perimeters in PA board</p> <p>structural joints - apply joint detail acc. application + configuration (see principle detail) use rock wool backing, min. 50 kg/m³ - avoid trapping air</p> |
| finish & maintenance | <p>- avoid contact with water during curing - KLF recommends to label each fire seal with a unique ID in a (photo) log file - routine inspections on damage and repairs ensure sound fire protection management</p> |

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| additional product info | <p>Firetect® is a registered brand of KLF © KLF Building Products disclaimer</p> |
| charts field of application: | |
| <ul style="list-style-type: none"> - PE/PP/PVC - aluPE-X - PE-Xa - copper - steel - cable trays - cable bundles - linear joints | |
| declaration of performance: | |
| <ul style="list-style-type: none"> - 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 |   |

specifications
Firetect® PA sealer

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| material | acrylic putty-paste with fire retardant fillers, slightly intumescent |
| colour | white |
| fire resistance | EI 30 up to EI 240, depending on application and configuration |
|  tested and classified acc. | EN 1366-3 + EN 1366-4; EN 13501-1: Class F; EN 13501-2 |
| smoke leakage control acc. | EN 1634-3: Sa - S200 |
| acoustic performances | 31 dB up to 60 dB, depending on application and configuration |
|  tested acc. | EN 10140-2 + ISO 717-1 |
| | structural joints |
| environmental performance | EMICODE, Indoor Air Comfort Gold, AgBB, Blue Angel, Belgian Regulation, French VOC/CMR |
|  product credits for | BREEAM |
| VOC tested acc. | ISO 11890-2 / ASTM D6886 |
| formaldehyde tested acc. | EN 717-1 [§] : E1 |
| release of dangerous substances | none: non-formaldehyde, non-asbestos |
| use category | Z ₂ , internal use |
| application conditions | between +5 °C and +30 °C, max. 70% RH |
| adhesion | to most common construction materials: plaster, concrete, metals, plastics etc. |
| acc. EAD 350141-00-1106 | passed |
| mix ratio | ready to use; do NOT dilute, if necessary slightly stir |
| dry and curing time | skin after ± 15 minutes, curing depending on joint size and environmental conditions |
| hardness | Shore A: 30-35 |
| shrinkage | < 20% |
| max. movement | 12,5% |
| acc. EAD 350141-00-1106 | 7,5% |
| overpaintable | with most alkyd or dispersion based coatings |
| cleaning equipment | after use, immediately clean with fresh water; remove dried product mechanically |
| packaging | pail 5kgs; 150 pails per pallet; other packaging upon request |
| storage | store dry, between +5 °C and +30 °C, max. 70% RH, avoid condensation and UV |
| shelf life | approx. 12 months in unopened original packaging, if stored acc. instructions |
| activation temperature | approx. +160 °C |
| flash point | > +100 °C |
| pH | approx. 8,1 |
| specific gravity | approx. 1,61 |
| practical coverage | allow loss factor |

limitations

- use Silicone sealant or Flex strip for structural joints at conditions exposed to weathering
- use Graphite sealant for PE/PP/PVC ≥ Ø63mm

transport & storage

- during transport: keep dry and protect from frost; do not stack pallets
- store dry; protect from frost; best kept in cool, dark conditions
- store on level ground; do not stack pallets
- HS code: 32149000



health & safety

- no specific restrictions
- work according to health & safety Directive and use appropriate PPE
- this product is classified as not dangerous under Regulation 1272/2008 and is in compliance with CLP regulations

