

product
Firetect® Acrylic sealant
description

acrylic based mastic, 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

directions for use

- important**
- application must follow DoP No. CPR-14/0273+15/0630-acrylic
 - constructive element must be classified acc. EN 13501-2 for the required fire resistance period

equipment caulking gun

- surface preparation**
- 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

application 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

structural openings for cable penetrations

- apply on 2 sides (walls + floors)
- apply joint detail acc. application + configuration (see principle detail)
- avoid trapping air

note with cable trays, coat back is **not** required for cables + trays + perimeters in PA board

structural joints

- apply joint detail acc. application + configuration (see principle detail)
 - use rock wool backing, min. 50 kg/m³
- avoid trapping air

- finish & maintenance**
- avoid contact with water during curing
 - KLF recommends to label each fire seal with an unique ID in a (photo) log file
 - routine inspections on damage and repairs ensure sound fire protection management

additional product info

Firetect® is a registered brand of KLF

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[disclaimer](#)
charts field of application:

- | | |
|-----------|-----------------|
| - PE/PVC | - cast iron |
| - aluPE-X | - cable trays |
| - PE-Xa | - cable bundles |
| - copper | - linear joints |
| - steel | |

declaration of performance:

- 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® Acrylic sealant

material	acrylic mastic 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
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 ^S : E1
release of dangerous substances	none: non-formaldehyde, non-asbestos; SVHC free
EPD	reg.no S-P-09706
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
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%, self-adhering
overpaintable	with most alkyd or dispersion based coatings
cleaning equipment	after use, immediately clean with fresh water; remove dried product mechanically
packaging	cartridge 310ml; 25 cartridges per carton, 64 cartons 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	1 cartridge 310ml per m ¹ with joint 20x15mm (wxd)

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

