

K-FLEX[®]
K-FIRE





K-FLEX® K-FIRE

▶ K-FLEX® is proud to announce K-FLEX® K-FIRE, the new range of product for passive fire protection. In an ever more evolving world is growing awareness and attention to the protection of people in dangerous situations, such as those resulting from a fire. New bigger, more futuristic and innovative buildings are in the design and/ or construction phase and require solutions for passive protection against fire even more efficient. K-FLEX® wants to provide designers and installers a complete range of solutions for fire protection, capable of ensuring the compliant of the most stringent regulatory requirements. K-FLEX® K-FIRE solutions are economical, versatile, easy to install and, above all, reliable. Each solution of K-FLEX® K-FIRE is tested by independent and recognized laboratories and evaluated according to the current standard of fire resistance test. K-FLEX® constantly develops new products and solutions able to satisfy all the requirements of fire stopping and fire protection.

Site



Brochure



K-FLEX® K-FIRE COLLAR



A range of devices designed to be fitted around plastic pipes where they penetrate fire separating structures. Under fire conditions the intumescent material within the collar expands to crush the softening pipe and fill the resultant opening, thereby maintaining the fire integrity and insulation performance of the floor or wall.

APPROVALS

- ▶ CE Marked 0843-CPR-0279
- ▶ ETA 15-0756
- ▶ ETAG 026-2 (2011) according EN 1366-3 Penetration Seals

K-FLEX® K-FIRE COLLAR ▶ RANGE	
▼ Type ▼	▼ Thicknesses ▼
K-FLEX® K-FIRE COLLAR-P Is K-FLEX®'s premium solution for protecting combustible pipe penetrations up to DN200* (larger diameter will be soon available) and consists of red painted steel shells secured by a hinge and latch system.	55 - 82 - 110 - 125 - 140 - 160 - 200 mm
K-FLEX® K-FIRE COLLAR-S Represents an ideal solution for protecting penetration of small diameter pipes and comprises stainless steel shells that are secured by interlocking fastening system.	32 - 38 - 42 - 46 - 48 - 50 mm
K-FLEX® K-FIRE COLLAR-Z Represents the economical solution for protecting combustible pipe penetration, made of galvanized steel metal shells and interlocking fastening system.	55 - 65 - 70 - 82 - 90 - 110 - 125 - 140 - 160 mm
K-FLEX® K-FIRE COLLAR-E Is an economical solution that restores the fire resistance of flammable pipe passages, equipped with a cover made of mild galvanized steel painted white protected with a special lock with a blockade.	32 - 40 - 55 - 63 - 75 - 82 - 110 - 125 - 140 - 160 - 200 - 250 - 315 mm

Do you have any doubts about which is the **best solution?**

Contact us at kflex-technical@kflex.com
 An expert will advise you on the best solution to your problem!

K-FLEX® K-FIRE PIPE WRAP



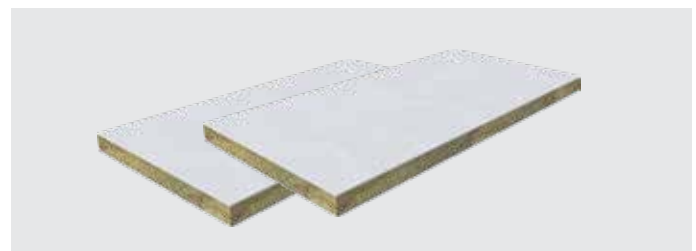
K-FLEX® K-FIRE PIPE WRAP is a pipe closure device used to form penetration seals where combustible pipes and insulated metal pipes penetrate walls and floors. K-FLEX® K-FIRE PIPE WRAP is supplied in bags sized according to pipe diameter. The wrap is wrapped around the pipe and pushed into the aperture in the separating element or cast in with K-FLEX® K-FIRE EX MORTAR.

APPROVALS

- ▶ CE Marked 0843-CPR-0411
- ▶ ETA 17-1049
- ▶ ETAG 026-2 (2011) according EN 1366-3 Penetration Seals

K-FLEX® K-FIRE PIPE WRAP ▶ RANGE	
▼ Type ▼	▼ Thicknesses ▼
K-FLEX® K-FIRE PIPE WRAP - precutted strip	55 - 82 - 110 - 125 - 160 - 200 - 250 - 315 mm
K-FLEX® K-FIRE PIPE WRAP - roll	25 m × 50 mm or 25 m × 75 mm

K-FLEX® K-FIRE BOARD



K-FLEX® K-FIRE BOARD anti-icing board is made of mineral wool with a density of 160 kg/m³, covered on one or both sides with K-FLEX® K-FIRE COATING acrylic paint. It is used for fire-proof sealing, in walls and ceilings, passages of steel and copper pipes and combined passes with plastic pipes, cables and ventilation ducts.

APPROVALS

- ▶ CE Marked 843-CPR-406
- ▶ ETA 17-1022
- ▶ ETAG 026-3 (2011)

K-FLEX® K-FIRE BOARD ▶ RANGE		
▼ Type ▼	▼ Thicknesses ▼	
K-FLEX® K-FIRE BOARD - 1200 × 600	50 - 60 mm	1S Smooth
K-FLEX® K-FIRE BOARD - 1200 × 600	60 mm	2S Smooth
K-FLEX® K-FIRE BOARD - 1200 × 600	50 - 60 mm	1S Ribbed
K-FLEX® K-FIRE BOARD - 1200 × 600	50 - 60 mm	2S Ribbed

K-FLEX® K-FIRE SEALANT A PLUS



K-FLEX® K-FIRE SEALANT A PLUS is a fire resistant water based acoustic acrylic sealant, designed for internal use with fire and smoke resisting gaps and service penetrating capability. K-FIRE SEALANT A PLUS can be used where a low movement fire resistant and/or acoustic joint is required. K-FIRE SEALANT A PLUS provides good adhesion to most common building materials like brick, concrete, plasterboard, wood etc.

APPROVALS

- ▶ CE Marked 0843-CPR-0284
- ▶ ETA 15-0818
- ▶ ETAG 026-2 (2011) according EN 1366-3 Penetration Seals
- ▶ ETA 15-0795
- ▶ ETAG 026-3 (2011) according EN 1366-4 Linear Joint and Gap Seals

K-FLEX® K-FIRE SEALANT A PLUS ▶ RANGE		
Type ▼	Content ▼	Color ▼
K-FLEX® K-FIRE SEALANT A PLUS - cartridge	310 ml	White

K-FLEX® K-FIRE SEALANT A



K-FLEX® K-FIRE SEALANT A is a one part, acrylic emulsion that intumesces and forms a char when exposed to the heat of a fire, preventing the passage of fire and smoke. In normal use, it will maintain the sound reduction index of a structure. It does not emit halogenated by-products under fire conditions, and does not contain any hazardous raw material. It has good, unprimed, adhesion to a wide variety of common building substrates, and it is designed to work in combination with K-FLEX® K-FIRE BATT to prevent the passage of fire and smoke between compartmentations whilst still allowing the installation of services.

APPROVALS

- ▶ CE Marked 1121-CPR-JA5095
- ▶ ETA 15-0777
- ▶ ETAG 026-2 (2011) according EN 1366-3 Penetration Seals
- ▶ ETA 15-0776
- ▶ ETAG 026-3 (2011) according EN 1366-4 Linear Joint and Gap Seals

K-FLEX® K-FIRE SEALANT A ▶ RANGE		
Type ▼	Content ▼	Color ▼
K-FLEX® K-FIRE SEALANT A - cartridge	310 ml	White or grey

K-FLEX® K-FIRE SEALANT S PLUS



A one part, fire resistant, neutral curing, silicone sealant to be used in situations where a flexible fire resistant joint is required. Excellent adhesion to most building substrates, including porous materials, without the use of primers. Good durability.

APPROVALS

- ▶ CE Marked 0843-CPR-0285
- ▶ ETA 15-0819
- ▶ ETAG 026-2 (2011) according EN 1366-3 Penetration Seals
- ▶ ETA 15-0817
- ▶ ETAG 026-3 (2011) according EN 1366-4 Linear Joint and Gap Seals

K-FLEX® K-FIRE SEALANT S PLUS ▶ RANGE		
Type ▼	Content ▼	Color ▼
K-FLEX® K-FIRE SEALANT S PLUS - cartridge	310 ml	White or grey

K-FLEX® K-FIRE ACRYLIC



K-FLEX® K-FIRE ACRYLIC is an one part acrylic sealant designed to prevent the spread of fire and smoke through joints and openings in fire rated walls and floors including openings formed around building service penetrations. K-FLEX® K-FIRE ACRYLIC will also maintain the acoustic design performance in walls and floors. K-FLEX® K-FIRE ACRYLIC cures when it is subjected to atmospheric conditions and retain a certain elasticity for joint movement. Under fire exposure, K-FLEX® K-FIRE ACRYLIC creates a robust fire seal creating a durable intumescent char. Thermal activation takes place at about 180°C when the material will expand (intumescence) and prevent the passage of fire and smoke for periods up to and beyond 4 hours.

APPROVALS

- ▶ CE Marked 0843-CPR-0408
- ▶ ETA 17/1048 and 17/1047
- ▶ ETAG 026-2 (2011) according EN 1366-3 Penetration Seals
- ▶ AgBB and EC1Plus for Low VOC

K-FLEX® K-FIRE ACRYLIC ▶ RANGE		
Type ▼	Content ▼	Color ▼
K-FLEX® K-FIRE ACRYLIC - cartridge	310 ml	White
K-FLEX® K-FIRE ACRYLIC - sausage	600 ml	White

K-FLEX® K-FIRE HP SEALANT



K-FLEX® K-FIRE HP SEALANT is an intumescent pressure sealant which, when exposed to fire, expands protecting penetrations including cables, cable bunches, cable trays, plastic and metallic pipes. K-FLEX® K-FIRE HP SEALANT maintains the integrity and insulation performance of the seal through masonry and plasterboard. The sealant is intended for use in service penetrations through walls and floors where fire integrity and insulation needs to be preserved. Under fire conditions the product swells and exerts pressure to the surrounding substrates leading to closure of the penetration.

APPROVALS

- ▶ CE Marked 1121-CPR-JA5097
- ▶ ETA 15-0778
- ▶ ETAG 026-2 (2011) according EN 1366-3 Penetration Seals

K-FLEX® K-FIRE HP SEALANT ▶ RANGE			
▼ Type ▼	▼ Content ▼	▼ Color ▼	
K-FLEX® K-FIRE HP SEALANTS - cartridge	310 ml	Grey	

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An expert will advise you on the best solution to your problem!

K-FLEX® K-FIRE MORTAR



A single pack material that, when mixed with water, provides a fire resistant and smoke seal able to reinstate fire resistance of separating walls and floors when penetrated by building services.

APPROVALS

- ▶ CE Marked 0843-CPR-0277
- ▶ ETA 15-0757
- ▶ ETAG 026-2 (2011) according EN 1366-3 Penetration Seals

K-FLEX® K-FIRE MORTAR ▶ RANGE	
▼ Type ▼	▼ Content ▼
K-FLEX® K-FIRE MORTAR - bag	20 - 10 kg

K-FLEX® K-FIRE EX MORTAR



K-FLEX® K-FIRE EX MORTAR is a gypsum based mortar material, used to reinstate the fire resistance performance of wall and floor constructions where they have been provided with apertures for the penetrations of multiple services. When mixed with water, the compounds form a highly thermally insulating fire sealing compound to prevent the spread of fire and smoke through openings in fire rated walls and floors, including openings formed around building service penetrations. K-FLEX® K-FIRE EX MORTAR will also maintain the acoustic design performance in walls and floors. K-FLEX® K-FIRE EX MORTAR expands approx. 1% by hydraulic action during curing ensuring a very tight seal around the service penetrations and the surrounding opening apertures.

APPROVALS

- ▶ CE Marked 0843-CPR-0412
- ▶ ETA 17-1046
- ▶ ETAG 026-2 (2011) according EN 1366-3 Penetration Seals

K-FLEX® K-FIRE EX MORTAR ▶ RANGE	
▼ Type ▼	▼ Content ▼
K-FLEX® K-FIRE EX MORTAR - bag	20 lt

K-FLEX® K-FIRE COATING



K-FLEX® K-FIRE COATING is a special developed paint that prevents smoke and fire from entering. Provides up to 120 minutes fire resistance. The product is resistant to weather conditions. The product should be used together with mineral wool density min 80 kg/m³. After drying it remains highly flexible so that the structure moves building.

APPROVALS

- ▶ CE Marked 843-CPR-0407
- ▶ ETA 17/1021
- ▶ ETAG 026-3 (2011)

K-FIRE Board = mineral wool painted by K-FIRE coating; Board ETA 17/1022

K-FLEX® K-FIRE COATING ▶ RANGE	
▼ Type ▼	▼ Content ▼
K-FLEX® K-FIRE COATING	8 lt. - 10,4 / 11,2 kg

K-FLEX® K-FIRE FLEXI COAT



K-FLEX® K-FIRE FLEXI COAT is an acrylic based sealant used to form linear gap seals where gaps are present in floor constructions and to create seals where penetrations go through walls. The K-FIRE FLEXI COAT is supplied in liquid form contained within 10 kg or 20 kg pail. K-FIRE FLEXI COAT is trowelled or sprayed into the aperture in or between the separating element/elements to a specified depth utilising mineral wool as a backing material.

APPROVALS

- ▶ CE Marked 1121-CPR-JA5117
- ▶ ETA 17/1016
- ▶ ETAG 026-3 (2011)

K-FLEX® K-FIRE FLEXI COAT ▶ RANGE	
▼ Type ▼	▼ Content ▼
K-FLEX® K-FIRE FLEXI COAT	10 -20 kg



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FIRESTOPPING

SOLUTIONS