

**Antec have partnered with BASF as the exclusive distributor of the KBS range of passive fire protection products in Australia to provide our customers with the most comprehensive and effective passive fire protection products that provide maximum protection and peace of mind.**

## KBS Coating



A water based ablative fire protective cable coating. KBS Coating is a tough, flexible, water and weather resistant, ablative (non-intumescent) cable coating, used worldwide since 1967 for interior and exterior applications.

Exposed to fire an endothermic reaction occurs. The coating contains substances which alter chemically and physically under heat influence. This process results in a cooling effect for the coated cables. Additionally incombustible gaseous substances are generated thus producing a strong flame retardant effect. KBS Coating prevents flame spread along vertical or horizontal cable and prolongs circuit integrity without affecting the current carrying capacity.

KBS Coating has a LOI of 100 and is resistant to water, weathering, UV-radiation and ageing proven by a twenty-five years outdoor test. Additionally KBS Coating has a high resistance to a lot of chemicals industrially used such as detergents, solvents, lubricants, etc.

KBS Coating is compatible with cable sheets and due to its excellent mechanical properties does not impair the flexibility of cables.

Also available in a halogen free modification (KBS Coating CLF) or as a brushable version (KBS Coating Brushable).

KBS Coating has successfully been tested to different standards, e.g. DIN 4102, IEC332-3, BS476, FM3971 and ASTM D 2863.

## KBS Panel Seal



Single and double panel penetration seal for through-penetration fire stops.

KBS Panel Seals are used to close openings of any size in walls and floors, providing a smoke gastight and fire resistant seal around penetrating utilities such as cables, cable trays, pipes and ducts.

BS Panel Seal is a penetration seal made of mineral wool panels coated with the ablative fire protective KBS Coating (ABL) or the intumescent KBS Foamcoat (INT). For KBS Panel Seal ABL the fire protective KBS Coating is used in combination with KBS Sealant.

The intumescent coating KBS Foamcoat and the corresponding putty KBS Foamcoat C11 are used for the KBS Panel Seal INT. In both applications the sealant respective putty is used to close either small gaps between panels and cables / trays or between panels and building elements.

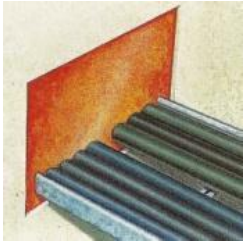
KBS Panel Seal can be installed as single and double penetration seal depending on fire protection requirements for through-penetration fire stops. The penetrating items must be coated on each side for a certain distance depending on the respective requirements.

KBS Panel Seal INT is restricted to dry indoor application whereas KBS Panel Seal ABL may be used for all kinds of environments.

KBS Panel Seals have been tested to international standards and carry ratings up to 240 minutes.



## KBS Mortar



A penetration seal for through-penetration fire stops.

KBS Mortar is a dry mortar mix with controlled swelling effect to provide a non-shrinking, homogeneous and smoke gas-tight fire seal for cables and utility penetrations in walls and floors.

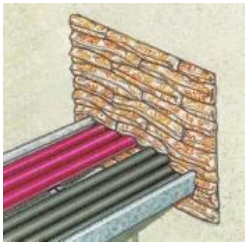
KBS Mortar expands while it sets (up to 3%) ensuring a tight and crack free seal.

KBS Mortar does not run or sag, allowing easy build-up of material inside a wall opening, hence usually a shuttering is necessary on one side only.

The low compressive strength of KBS Mortar allows an easy retrofitting of cables and other utilities. The extraordinary yield of KBS Mortar leads to high economic efficiency of such penetration seals. 1kg KBS Mortar mixed with water yields to approximately 1.5 litres volume.

KBS Mortar has been tested to international standards and carries ratings from 60 to 240 minutes.

## KBS Sealbags



Expanding pillows for through-penetration fire stops.

KBS Sealbags – unique fire pillows – are ideal penetration seals where changes such as retrofitting of cables or metal pipes are the rule rather than the exception.

KBS Sealbags are installed in minutes.

KBS Sealbags special feature is their 3-phase reaction in fire:

1. At approximately 130oC the various components of the bag start to stick together, preventing the content to run out in case the bag is damaged;
2. At approximately 280oC the content begins to expand at a ratio of 15-40% by volume;
3. At approximately 800oC a “ceramic reaction” causes the content to harden into a solid block

KBS Sealbags are totally water and weather resistant, losing none of their properties even after months of immersion in water. KBS Sealbags pay for themselves where retrofitting is frequent.

KBS Sealbags have been tested to international standards and have ratings of up to 240 minutes.

