

KBS SEALBAGS – SPECIFICATIONS

General

Supply certified, non-hazardous, non-toxic, KBS Sealbags to be installed strictly in accordance with the manufacturer's application instructions and in full accordance with FM design requirements.

It is recommended that the installed materials be inspected by a third party Inspector before practical completion to confirm materials have been installed to the manufacturer's specifications.

The KBS Sealbags are to be used for the fire stopping of open penetrations carrying single or grouped cables or metal piping up to 8 inches diameter to a maximum of 4 hours Fire and Temperature Rating. This will halt flame propagation to other areas when exposed to an internal or external fire source around the cables whether in grouped or tray arrangement, horizontally or vertically. Volume of cables cannot exceed 60% of the penetration.

When required, appropriate performance must be furnished by test reports such as:

- FM – DES17, 18 180F & 180T
- UL1479 240F & 240T
- ASTM – E814 240F & 240T
- BS476 Part 20 180F & 180T
- ISO834 180F & 180T

Retrofitting or addition of new cables and their subsequent resealing must meet the original installation standards. Please refer to the Specifier's Handbook, KBS Application Manual or the KBS CD for complete retrofitting information.

PREPARATION

The cable surface must be free of dirt and oils. Cleaning of cables should be carried out with a dry cloth. It is not recommended that solvents or other liquids be used to clean the cables prior to installing the KBS Sealbags. For complete preparation requirements refer to the KBS Specifier's Handbook, KBS Application Manual or the KBS CD.

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KBS Sealbags are installed in cable penetrations seals, where frequent retrofitting of new cables is expected or where dust-free penetrations seals are requested, e.g. telephone exchanges, pilot plants, computer rooms, etc. KBS Sealbags are pillows consisting of tightly woven, durable fibre-glass cloth, filled with a combination of mineral fibres, incombustible components, water insoluble expansion agents and special fire retardant additives.

KBS Sealbags have a three phase reaction to a fire. At 130°C various components gluing together. At 280°C contents begin to expand up to 45%. At 800°C a ceramic reaction causes the content to harden into a solid block.

KBS Sealbags are totally water and weather resistant and retain their properties and effectiveness in all weather temperatures and atmospheric conditions. KBS Sealbags contain neither asbestos nor any other toxic substance.

KBS Sealbags maintain their volume consistency. Since the bags do not sag (even after many years of exposure to industrial vibrations) an absolutely tight penetration seal can be maintained (official test report for 7 years vibration test available).

KBS Sealbags are “dustproof” for use in telephone exchanges, computer rooms etc. KBS Sealbags have a high electric resistance and are not current conductive, if kept in dry conditions.

APPLICATION & TOOL CLEANING

Please refer to the KBS Specifier's Handbook, KBS Application Manual or the KBS CD for application methods and equipment. KBS Sealbag thickness dependant on the size of application.