

KBS PANEL SEAL – SPECIFICATION

GENERAL

Supply certified, non hazardous, non-toxic, KBS Panel is to be installed strictly in accordance with the manufacturers 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 Panel Seal is 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 Fire and Temperature Rating of 3 hours. 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 – DES187	120F
ASTM E814	120F
BS476 Part 20	180F
DIN 4102	90F

Retrofitting or addition of new cables and their subsequent resealing must meet the original installation standards. Please refer to the KBS 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 Panel Seal. For complete preparation requirements refer to the KBS Specifier's Handbook, KBS Application Manual or the KBS CD.

KBS PANEL SEAL

The KBS Panel Seal consists of mineral wool panels with a minimum density of 150kg/m³ coated with KBS Coating to FM3971 (Factory Mutual Approval) and KBS Sealant. Only the exposed sides of the panels and the visible penetrating items have to be coated with KBS Coating. Dependant on the cable loading KBS Panel Seal can be installed as a single or double panel seal.

KBS Coating is a water-based ablative non-intumescent fire protective coating suitable for penetration seals and fire protection of cables and other utilities. KBS Coating, lasts the lifetime of cables is highly flexible, totally weather and water resistant, and compatible with various chemicals.

The KBS Panel Seal is used for Fire Rating any size of opening in walls and floors, providing a smoke and gas tight seal around all penetrating utilities such as cables, cable trays, pipes, and ducts.

Retrofitting of additional utilities is achieved with ease in a KBS Panel Seal system. A simple hand tool such as a saw tooth knife is used to cut a small opening into the penetration. Once the cable or pipe has been passed through the opening KBS Sealant is used to seal the opening once again.

APPLICATION & TOOL CLEANING

Please refer to the KBS Specifier's Handbook, KBS Application Manual or the KBS CD for application methods and equipment.

Clean tools in fresh water before the KBS Coating cures.