

KBS MORTAR SEAL – SPECIFICATION

GENERAL

Supply certified, non hazardous, KBS Mortar Seal to be installed strictly in accordance with the manufacturer's application instructions and in full accordance with FM and UL 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.

KBS Mortar 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 of 3 hours Fire Rating and 2 hours 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 – DES165, 167, 168 120F & 120T
- UL1479 180F & 120T
- BS476 Part 20 240F & 240T
- AS1530 Part 4 120F & 120T

Retrofitting or the addition of new cables and 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 Mortar Seal. Wetting down of the substrate for better adhesion is also recommended. For complete preparation requirements refer to the KBS Specifier's Handbook, KBS Application Manual or the KBS CD.

KBS MORTAR SEAL

KBS Mortar Seal is a dry mortar mix with a controlled swelling effect, which provides a non-shrinking, homogenous and smoke gas-tight fire seal for cable penetrations. KBS Mortar Seal expands while it sets (up to 3%), ensuring a tight and crack-free seal. When mixed to a pumping consistency, KBS Mortar Seal will not run or sag, allowing easy build-up of material inside a wall opening. For smaller openings, formwork is only necessary on one side.

Retrofitting of cables or other utilities with KBS Mortar Seal can be done with ease. The material is of low compressive strength and allows easy drilling (by hand or motor drill).

KBS Mortar Seal is a blend of inorganic binders, fillers and lightweight aggregates, interlaced with special additives and agents. KBS Mortar Seal is non toxic and non hazardous.

KBS Mortar Seal may be used wherever a Fire Resistance of up to 180 minutes for a cable penetration is specified.

KBS Mortar Seal comes in a 25kg (55lbs) bag or a 3.5kg (7.8lbs) pail. The color of KBS Mortar Seal is red and easily identifiable in the work place.

APPLICATION & TOOL CLEANING

Please refer to the KBS Specifier's Handbook, KBS Application Manual or the KBS CD for application methods and equipment. KBS Mortar Seal thickness is dependant on the required approval.

Clean tools in fresh water before the KBS Mortar Seal cures.