

SPECIFICATIONS FOR THE INSTALLATION OF A MICON INTUSAYF (Intumescent) PENETRATION SEAL

Purpose

To provide a one or two hour fire and/or smoke seal

Area's of application

60 minute rating (ref Figure 1)

Pre-coat a single layer of 50mm thick, 160kg/m³ density mineral wool board on one side with Micon Intusayf Intumescent to a dry film thickness of 250-300 microns.

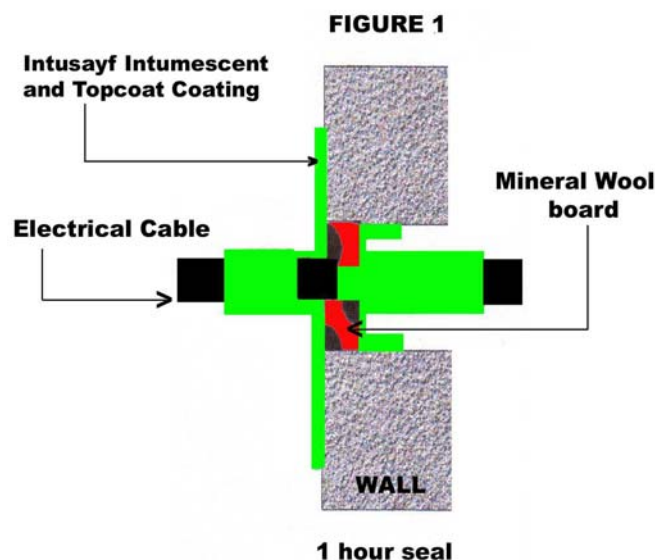
The board is then cut oversized and pressure fitted into the opening with the pre-coated side to the inside.

The exposed surface coat with Micon Intusayf Intumescent to dry film thickness of 250-300 microns

Micon Intusayf Intumescent is then applied to the service penetrating the fire seal for a distance of 500mm from the seal unless it is a steel pipe duct in which case the overlap should be 40mm.

Micon Intusayf Intumescent is applied to overlap from the mineral wool board to the adjacent substrate for a distance of 25mm on both sides of the fire seal to provide an airtight seal.

One coat of Micon Vinylcote Topcoat is applied to all areas coated with the Intusayf to protect the intumescent from leaching and accidental damage.



120 minute rating (ref Figure 2 and 3)

The only difference between a 60 minute and a 120 minute fire penetration seal is that a double layer of 50 mm mineral wool board is installed in place of a single layer, otherwise installation procedures are the same as above.

Reinforcing

On larger openings a combination of angle iron and expanded metal may be used to provide stability to the mineral wool board.

