

Sealmaster MASTERSEAL INTUMESCENT MASTIC



Introduction

There are many small holes around services penetrating a fire resistant element of a building which need to be stopped with a fire resistant material. Sealmaster *Masterseal* is a gun grade mastic which is ideal for this purpose. It is particularly suitable for sealing linear gaps between neighbouring elements.

Masterseal

Sealmaster *Masterseal* is a unique water-based product which is easy to use and dries to form a semiflexible seal with both intumescent and fire-resisting capabilities. This combination of properties make *Masterseal* one of the best fire-resisting sealants on the market. Tests have shown that it is economical to use because a relatively small amount of sealant is required to give considerable periods of fire resistance. The main programme of testing has involved horizontal joints in ceilings and vertical joints in walls as these are regarded as the most onerous applications.

Joint Filling

Joints may be filled from one side only or from both sides of the joint but a polyethylene backing rod should always be used to ensure correct depth of fill. The freshly applied material

can be tooled with a wet spatula. As expected the double sided fill gives considerably better fire resistance than the single sided fill so that specifiers may choose whichever method is more suitable but double sided fill is often preferred to ensure a good seal on either side of the fire resisting element.

The chart below gives an indication of what has been shown to occur on a range of indicative tests that Sealmaster has carried out on *Masterseal*.

Although *Masterseal* is flexible it is not specifically designed to accommodate regular, large movements, although it is slightly flexible and will accommodate some small movements. In such cases a product such as Sealmaster *Firefoam*, for which there is a separate data sheet available, is more suitable.

Health & Safety

Sealmaster *Masterseal* is a water-based material and does not contain or emit any toxic chemicals or gases. However it is prudent to observe good working practice and avoid direct contact whenever possible. The product has been developed for use as a fire-resistant gap sealant and should not be used for any other purpose without discussing the application with our Technical department.

Filled one side only				Filled both sides		
Joint width (mm)	Depth of fill (mm)	Fire rating (hr)	Depth of fill (mm)	Fire rating (hr)	Depth of fill for each side (mm)	Fire rating (hr)
10	10	1	20	2	5	4
20	10	1	20	2	5	4
30	20	1	20	2	10	4
50			20	2	15	4