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		APPROVED: P. Brash

Purpose

To describe the method for installing & jointing intumescent seals when they are not factory installed

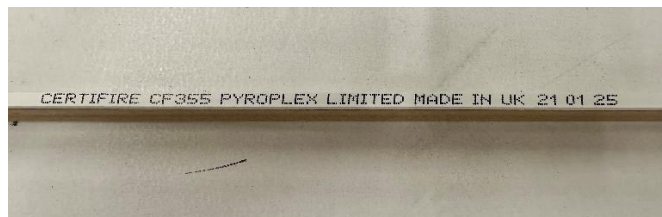
Scope

Certifire FD30 & FD60 doorsets

Method

The preferred method of supply of intumescent seals is always factory fitted as the seals can be accurately cut to suit ironmongery fitted into the door reveal.

- Using the manufacturing schedules (supplied by the Contracts Manager) identify the doorset and the intumescent size, type & Certifire CF number (e.g. 4x15mm Fire & Smoke (Brush) (Pyroplex CF355) to Perimeter of Frame)
- Intumescent seals are supplied either wrapped in shrink wrap or in cardboard tube depending on the quantity on order. Carefully unwrap the intumescent seals and identify the correct seals
- All Certifire approved intumescent seals are marked with both the manufacturer's name and the relevant certificate number along the narrow length of each seal



- Intumescent seals should always be fitted in single unjointed lengths
- For all Intumescent seal installations ensure the rebates in the frame reveal are clean & free of dirt & grease
- Measure the head & vertical rebates
- Cut the correctly identified intumescent seal slightly over length using a junior hacksaw with a sharp blade to ensure a neat cut
- Starting in the frame head remove a short section of the protective backing from the correct seal. From the corner, press the intumescent seal into its rebate. Pull back the protective backing whilst working towards the opposite end of the rebate. Trim off any excess

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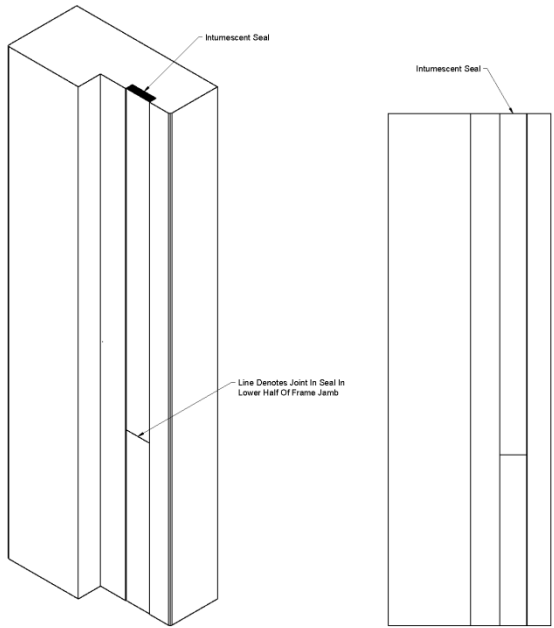
- Following a similar principle to the frame head; remove a short section of the protective backing from the correct seal. From the top corner, ensuring a tight joint, press the seal into its rebate pulling back the protective backing whilst progressing towards the bottom of the jamb. Trim off any excess
- Where seals are interrupted by ironmongery such as hinges and lock forends, measure the rebate and cut the intumescent seal approximately 50mm longer than measured. Fit the intumescent seal as noted above. Using a sharp blade, trim the seal around the ironmongery item ensuring a tight fit to the all edges. Gaps between the seal and the ironmongery item should be minimised as far as possible



- A roller can be utilised to ensure the adhesive backing on the seal is fully adheres within the frame head & jamb rebates
- Additional or replacement seals can be ordered from Doorpac Ltd
- Further advice on seal types can be obtained by contacting Doorpac Ltd
- On occasion frame jambs exceed the length that intumescent seals can supplied in. Under these circumstances the following **MUST** apply
 - **ONE** tight butt joint may be incorporated in the vertical seals only
 - Where one seal is fitted into the frame reveal or door leaf edge the joint **MUST** be in the lower half of the doorset's height. See below
 - Where two seals are present the joints **MUST** be offset by a minimum of 100mm & may not be coincident. The joints **MUST** be in the lower half of the doorset's height. See below
 - Intumescent seal joints are **NOT** permitted in the frame head



Single Seal



Double Seals

