

### Function :

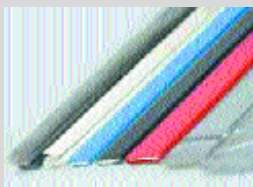
Intumescent seals assume two important functions in the fire door:

1. sealing of joints to avoid the escape of hot gas due to the overpressure in the furnace
2. fixation of the door blank weakened by burning to the frame

### Choice and Installation :

The choice and the structure of the material with the suitable characteristics is of great importance.

Under certain circumstances intumescent seals can be fitted through frame and edges either open or covered.



Characteristics	Palusol	Intumex Promaseal	Interdens
Chemistry	Natrium-Silikat	Graphit	Ammonium-Phosphat
Reactions-Temperature	100°	150°	150°
Foaming-Volume	1 : 7	1 : 7 - 1 : 10	1 : 25 - 1 : 50
Pressure approx.	min. 9 bar	6 bar - 10 bar	0 bar
Direction	thickness	thickness	3-dimensional
Duration	once	permanent	permanent
Fitting	covered	open possible	open possible
Producer	BASF	INTUMEX, R. Kuhn, Promat	Dr. Wolman

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