

FIRE COLLARS

Welcome to Passive Fire Warehouse: Technical Information on fire collars.

The Following information is aimed to provide you with a brief summary and overview of intumescent Fire Collars. The content is for your general information only and is subject to change without notice.

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For further information on Fire Protection, Passive Fire Products and Australian Fire Codes, please visit <http://www.passivefirewarehouse.com.au/page/technical-product-literature>



FIRE COLLARS

Fire Collars fall under the Passive Fire category. Being a Passive Fire product means that it does not need mechanical or electrical operation to active or work. The intention is to provide a barrier to contain or slow down the rate of fire spread within a building.

Fire Collars work by using a intumescent material that swells up and expands generally 20 times thicker than its original size. This intumescent material is activated by heat exposure.

For specific product specifications and prices, please click on this link: <http://www.passivefirewarehouse.com.au/fire-collars/>

The are two main types of Fire Collars – Retrofit and Cast in

Retrofit Fire Collar example	Cast in Fire Collar example
	

As the name suggests, **retrofit fire collars** are designed to be fitted around pipes and services AFTER they have been installed into the building. They typically clip onto a pipe by a latch mechanism thus completely encasing that part of the pipe. It is therefore vitally important the the fire collar size matches the pipe outer diameter size.

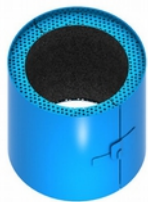


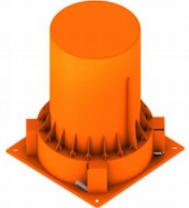
Generally, Retrofit fire collars range from 25mm up to 315mm or larger depending on the supplier.

Cast in Fire Collars are literally fixed into the formwork before any concrete is poured to create a fixed solution with concrete floor slabs. This is typically used for sewer pipes for example in multistory apartment buildings.

Other benefits of intumescent fire collars, in addition to not needing mechanical or electrical activation is that they are unaffected by water or atmospheric influences and industrial environments, and are resistant to dilute acids, alkalis, paints and conventional construction materials, such as gypsum, lime, cement and adhesives.

Fire Collars should be tested on different pipe materials such as UPVC, HDPE and ABS and would need to have passed Australian Standard AS1530 part 4 to ensure compliance.

FIRE COLLAR PRODUCTS EXAMPLES

Pipe Sleeve/Wall	Floor Waste	Retrofit Services	Cast in Services
			

FIRE COLLAR INSTALLATION

A vital part of understanding the fire collar product and how it works is also INSTALLING the product. Each manufacturer will have tested its fire collar using fixings and fasteners in a very particular way. Every installation on site must be carried out in accordance to the manufactures installation and testing requirements.

For further information or to purchase Fire Collars online, please [click here](#):