

Test Approvals

| Fire Test Standard | Laboratory | Orientation | Pipe Material(s) | Diameters (mm) | Fire Resistance |
|------------------------------|------------|-----------------|--------------------|----------------|-----------------|
| AS 1530.4 | Warrington | Floors | uPVC HDPE PP | Up to 150 | Up to 4 hours |
| AS 1530.4 | Warrington | Floors | HDPE | Up to 110 | Up to 4 hours |
| BS 476: Part 20 AS 1530.4 | CSIRO | Floors Walls | HDPE | Up to 150 | Up to 4 hours |
| BS 476: Part 20 AS 1530.4 | CSIRO | Floors Walls | uPVC | Up to 100 | Up to 2 hours |

PROMASTOP® UniCollar® is undergoing fire test in many countries to many standards in the normal course of its development. Any approvals that may not be listed above may well have already been tested for.

Contact Promat for the latest approvals for this or any of the PROMASTOP® range of fire collars and PROMASEAL® fire stopping products.

Specification

All plastic pipes which pass through fire rated elements are to be protected using PROMASTOP® UniCollar® to meet Fire Resistance Level (FRL) of -/xx/xx. All installation methods to be in accordance with the manufacturer's printed instructions and duly certified upon completion and installation to the satisfaction of the building authority.

Important Notes

Promat product data sheets and health and safety data sheets are regularly reviewed and are available on request. The successful use of this product is dependent on a number of factors. As the information contained in this leaflet can only be of a general nature, it is advisable to consult our technical department if there is any doubt about the correct use of this product in a particular application. Our technical representatives and advisers are available to provide further technical and commercial assistance.

PROMASEAL® UniCollar® is manufactured under a quality management system certified in accordance with ISO 9002.

www.firecollar.com

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The Promat Asia Pacific Website
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Your local Promat supplier

Promat



PROMASTOP[®] UniCollar[®]

Latest Generation of Fire Collars for Plastic Pipes



Introduction

PROMASTOP® UniCollar® is a unique method of protecting plastic pipes which pass through fire rated walls and floors. The system is supplied in continuous strip form which is cut to length and attached to the element using ready-made clips. These clips fit into the pre-punched slots on the strip.

The intumescent activating layer is already attached to the metal band and requires no additional fixing.

This whole patented system is packaged in single-ordered box for convenience and lower inventory cost.



Advantages

Unique patented cut-to-length strip

Single-ordered components strip, brackets, fixings

Easy-to-use dispenser

One size fits all concept

Tested with many types of plastic

Strip moulded with intumescent

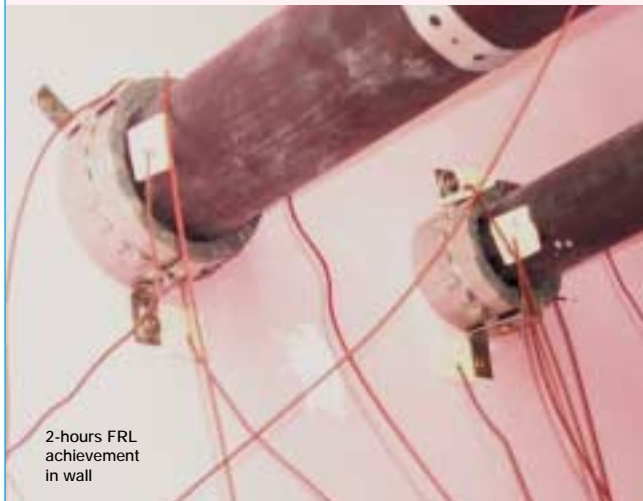
Lower stock inventory cost

Function

PROMASTOP® UniCollar® is the latest generation of fire collars designed to protect uPVC, HDPE, PP and other plastic pipes which pass through fire rated elements of building construction. The system uses well tested Graftex intumescent technology to effectively block off openings formed when plastic burns in a fire, to leave a solid barrier to maintain the compartment.

Fire Performance

PROMASTOP® UniCollar® has been extensively tested in several countries to meet both local and ISO testing regimes. Achieving Fire Resistance Level (FRL) up to 4 hours in floors and 2 hours in walls in a variety of plastic pipes for which most countries requirement will be met.



2-hours FRL achievement in wall



Single collar for up to 4 hours of FRL on floor

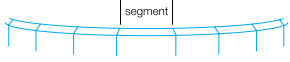


Double (stacked) collars for larger diameter pipes 150mm and above

Pipe Sizes

The unique feature of the PROMASTOP® UniCollar® is the one size fits all concept of continuous strip technology. This means that the only sizing required is the length of strip to suit the diameter of pipe which is to be protected. The packaging includes a measuring strip to identify the cut off length.

The table on the right summarises these dimensions. The number of segments may vary depending upon the actual pipe size.

| Nom. Size | Length of Strip (Guide only) | |
|---|---|-------------|
| |  | |
| 40mm | 225mm | 15 segments |
| 50mm | 255mm | 17 segments |
| 65mm | 315mm | 21 segments |
| 80mm | 360mm | 24 segments |
| 100mm | 435mm | 29 segments |
| 125mm | 495mm | 33 segments |
| 150mm* | 600mm | 40 segments |
| Total number of segments per box is 146 (146 x 15mm = 2190mm) *For pipes 150mm and above, use double UniCollar & clips | | |







Pipe Types

PROMASTOP® UniCollar® has been tested on uPVC, HDPE, P/P and other pipes from a variety of suppliers. Individual types of plastic behave differently when exposed to fire and accordingly, many tests are required to satisfy these performance variations. By using the patented continuous strip technology, the variation in the outer diameter of the different pipe types has also been overcome.

Installation

PROMASTOP® UniCollar® comes to the work site in a boxed strip. The length of collar casing can be gauged in several ways. Refer to the chart above if the diameter of the pipe is known. The circumference of the pipe can be found using the tape provided. The same tape is used to measure the length of collar. See **User Guide** below. The strip of PROMASTOP® UniCollar® is then fixed into place around the plastic pipe with metal restraining brackets which are bolted or screwed to the surrounding surface. Quick. Easy. And a very effective fire stop barrier for plastic pipe penetration.

User Guide

| | | |
|---|--|---|
| 1 Fold the blank end of the tape and measure around the pipe | 2 Unfold the blank end, measure along the black Graftex and cut it | 3 Bend and snap it accordingly |
|  |  |  |
| 4 Shape the collar to required diameter | 5 Fit around pipe and use first clip to join ends | 6 Secure remaining clips to wall/floor, fix them |
|  |  |  |