

FIRESTOP CENTRE

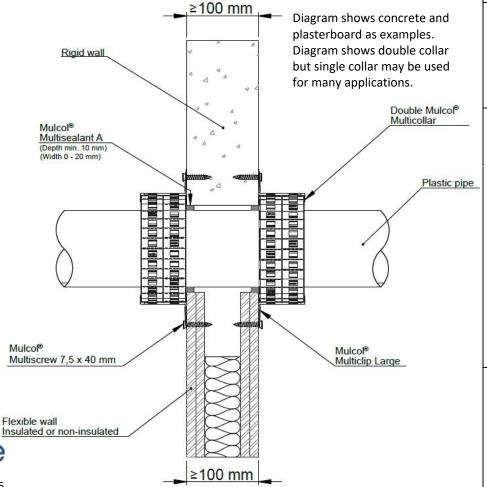
Authorised New Zealand Distributor Ph (09) 483 4000 www.firestopcentre.co.nz

PVC(pg 2), PE(pg 3) or PP(pg 4) Pipes

Multicollar Slim 100mm Plasterboard or Concrete Wall

Installation Instructions

- 1. Before installing Mulcol® Multicollar Slim ensure that the surface of all service penetrations and surrounding construction is free from all loose contaminants, dust and grease.
- 2. Seal the annular gap of up to 20mm with Mulcol Sealant to a minimum depth of 10mm.
- 3. Use the table on the Multicollar packaging to calculate the number of segments required for the penetrant diameter.
- 4. Cut the required number of segments from the Multicollar roll and trim the inlay at a slight angle to ensure the stainless steel joints fit together when the collar is placed around the service penetration.
- 5. Secure the joint with a Multiclip and then attach the remaining Multiclips proportionally around the Multicollar. Use fixings appropriate for the substrate.





warringtonfire

FAS 210306 AS1530.4-2014 AS4072.1-2005

As a part of our policy of on-going product development and testing, we reserve the right to modify, alter or change product specifications without giving notice. All information contained in this document is given in good faith and is provided for guidance only. Any drawings provided are for illustrative purposes only. As Mulcol has no control over the methods or competence of installation and of prevailing site conditions, no warranties, expressed or implied, is intended to be given as to the actual performance of the product mentioned or referred to herein and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given.

For all technical details on the products specified please refer to the technical data sheets that can be found on www.firestopcentre.co.nz

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FAS 210306 Pages 15-18 AS1530.4-2014 AS4072.1-2005

System ID# FC528

Products Mulcol Multicollar Slim Mulcol

Sealant

Fire stopping of PVC, PE or PP Application

pipes in plasterboard or concrete

walls

Minimum wall thickness 100mm Construction

(Note: all tests U/U) Fire Classification

PVC-U, PVC-C up to 160mm diam and 14mm pipe wall thickness. See page 2 for details

Max FRR -/120/120

PE-HD, PE-X, ABS, SAN-PVC up to 160mm diam and 14mm pipe wall thickness. See page 3 for details Max FRR -/120/120

PP up to 160mm diam and 14mm pipe wall thickness. See page 4 for details

Max FRR -/120/120

Where FRR of wall is less than FRR of the seal, then the lower FRR applies.

MULCOL

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Sheet size:	Drawn date & no:
A4	19/8/24
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Multicollar Slim 100mm Plasterboard or Concrete Wall **PVC-C** or **PVC-U** Pipes

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FAS 210306 Pages 15-18 AS1530.4-2014 AS4072.1-2005

System/FPA Register ID# FC528

Products

Mulcol Multicollar Slim Mulcol

Sealant

Application

Fire stopping of PVC-C or PVC-U

pipes in plasterboard or concrete

walls

Construction

Minimum wall thickness 100mm

PVC-U, PVC-C pipe with single collar:

Up to 160mm diam and 12mm wall thickness

FRR -/60/60

Up to 125mm diam and 9mm wall thickness

FRR -/120/120

PVC-U, PVC-C pipe with double collar:

FRR -/60/60

FRR -/120/120

Fire Classification

Up to 160mm diam and 14mm wall thickness

Up to 160mm diam and 12mm wall thickness

Where FRR of wall is less than FRR of the seal. then the lower FRR applies.

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MULCOL Multicollar Slim tests have used the U/U end cap configuration (Uncapped/Uncapped).

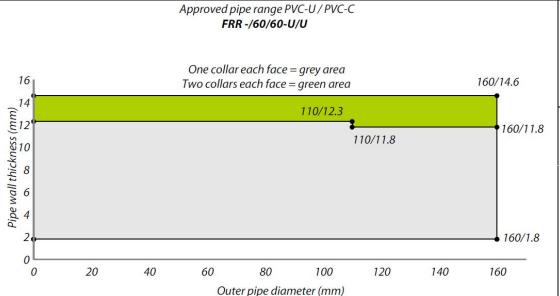
This is the most onerous test for plastic pipes.

AS1530 Standard requires only C/U which is one level below U/U.

The graphs shown cover the most common pipe sizes and the most common ratings required (60 and 120 minutes).

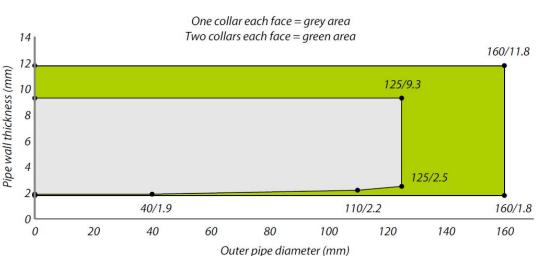
For ratings other than 60 or 120min and for other applications applicable to closed systems (U/C systems for pipes up to 315mm), there are other helpful graphs on pages 30-34 of Multicollar Slim EN1366 Test Report - Wall on the Firestop Centre website.

Pipes may be uninsulated or insulated with acoustic insulation max 4mm thick.



Approved pipe range PVC-U / PVC-C

FRR -/120/120-U/U





website.

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Multicollar Slim 100mm Plasterboard or Concrete Wall PE-HD, PE-X, ABS, SAN-PVC Pipes

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FAS 210306 Pages 15-18 AS1530.4-2014 AS4072.1-2005

System/FPA Register ID# FC528

Products

Mulcol Multicollar Slim Mulcol

Sealant

Application

Fire stopping of PE-HD, PE-X,

ABS, SAN-PVC pipes in

plasterboard or concrete walls

Construction Minimum wall thickness 100mm

Fire Classification

PE-HD, PE-X, ABS, SAN-PVC pipe with single

<u>collar:</u>

Up to 125mm diam and 10mm wall thickness

FRR -/60/60

Up to 125mm diam and 6mm wall thickness

FRR -/120/120

<u>PE-HD, PE-X, ABS, SAN-PVC pipe with double</u> collar:

Up to 160mm diam and 14mm wall thickness

FRR -/60/60

Up to 160mm diam and 9mm wall thickness FRR -/120/120

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The Netherlands

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MULCOL Multicollar Slim tests have used the U/U end cap configuration (Uncapped/Uncapped).

This is the most onerous test for plastic pipes.

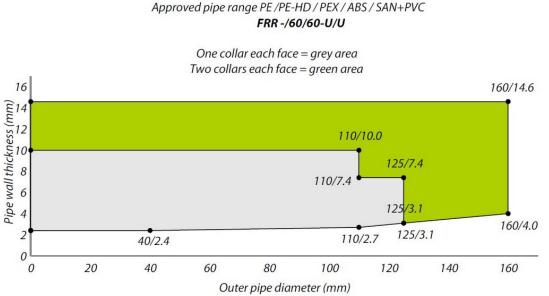
AS1530 Standard requires only C/U which is one level below U/U.

The graphs shown cover the most common pipe sizes and the most common ratings required (60 and 120 minutes).

For ratings other than 60 or 120min and for other applications applicable to closed systems, there are other helpful graphs on pages 18-23 of Multicollar Slim EN1366 Test Report - Wall on the Firestop Centre

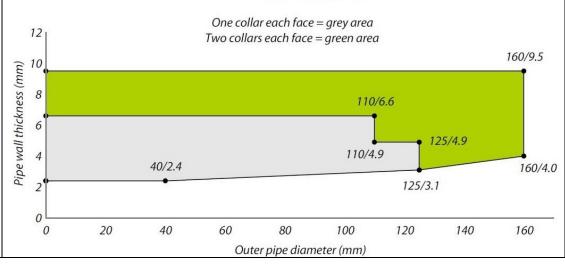
Where FRR of wall is less than FRR of the seal, then the lower FRR applies.

Pipes may be uninsulated or insulated with acoustic insulation max 4mm thick.



Approved pipe range PE / PE-HD / PEX / ABS / SAN+PVC

FRR -/120/120-U/U





plastic pipes.

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20

40

60

Multicollar Slim 100mm Plasterboard or Concrete Wall **PP Pipes**

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FAS 210306 Pages 15-18 AS1530.4-2014 AS4072.1-2005

System/FPA Register ID# FC528

Products

Mulcol Multicollar Slim Mulcol

Sealant

Application

Fire stopping of PP pipes in plasterboard or concrete walls

Minimum wall thickness 100mm

Construction

Fire Classification

PP pipe with single collar:

Up to 125mm diam and 7mm wall thickness

FRR -/60/60

Up to 125mm diam and 6mm wall thickness

FRR -/120/120

PP pipe with double collar:

Up to 160mm diam and 14mm wall thickness

FRR -/60/60

Up to 160mm diam and 9mm wall thickness

FRR -/120/120

Where FRR of wall is less than FRR of the seal. then the lower FRR applies.

FRR -/60/60-U/U One collar each face = grey area Two collars each face = green area 16 160/14.6 Pipe wall thickness (mm) 12 10 125/7.1 160/4.0 125/4.0 160/4.0 110/2.7 125/3.1 40/1.8

Approved pipe range PP

Approved pipe range PP FRR -/120/120-U/U

80

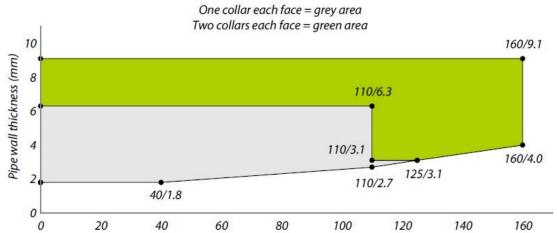
Outer pipe diameter (mm)

100

120

140

160



Outer pipe diameter (mm)

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common pipe sizes and the most common ratings required (60 and 120 minutes). For ratings other than 60 or 120min

The graphs shown cover the most

MULCOL Multicollar Slim tests have

used the U/U end cap configuration

AS1530 Standard requires only C/U

This is the most onerous test for

which is one level below U/U.

(Uncapped/Uncapped).

and for other applications applicable to closed systems (U/C systems for pipes up to 315mm), there are other helpful graphs on pages 24-29 of Multicollar Slim EN1366 Test Report - Wall on the Firestop Centre website.

Pipes may be uninsulated or insulated with acoustic insulation max 4mm thick.