



THERM-A-CLOSE

Product Data Sheet

Introduction

PVC pipes are commonly used in buildings for the transportation of waste water or rainwater. Where such pipes penetrate fire compartment walls or floors they must be adequately protected to maintain the fire resistance of the building's fire compartments in the event of a fire. THERM-A-CLOSE is a simple and cost effective way of achieving and maintaining this fire resistance integrity.

The Product

THERM-A-CLOSE is a steel collar lined with THERM-A-FLEX intumescent material. The steel collar is formed in two halves which fit together during installation and includes integral fixing lugs. The collar is powder coated to provide effective corrosion protection. At approximately 180°C the THERM-A-FLEX begins to expand and, restrained by the steel shell, generates sufficient pressure to crush the PVC pipe within in the collar thereby providing fire resistance protection.

Application

THERM-A-CLOSE intumescent collars are suitable for sealing PVC pipe penetrations through a range of different construction materials.

Cast concrete floors: THERM-A-CLOSE is fixed to the underside of the floor or cast within the floor slab in line with the underside of the slab.

Concrete/block walls: THERM-A-CLOSE is face fixed to either side of the wall.

Drywall / stud walls: THERM –A-CLOSE is face fixed to either side of the wall.

Mineral wool fire bat penetration seals: THERM-A-CLOSE is fitted through the full thickness of the fire bat around the PVC pipe.

THERM-A-CLOSE is fixed to the supporting construction around the pipe penetration with non combustible fixings.

Performance

The achievable fire resistance (FR) performance of THERM-A-CLOSE is dependent on the supporting construction:

Construction	FR Integrity	FR Insulation
Drywall/stud wall	120min	120min
Concrete/block wall	240min	240min
Concrete floor (Surface)	240min	240min
Concrete floor (cast in)*	180min	180min
*(Up to 110mm dia)		

Availability

THERM-A-CLOSE is available in the following sizes:

Pipe	THERM-A-CLOSE		
OD/mm	ID/mm	OD/mm	Height
32-55	55	72	50
56-82	82	103	50
83-110	110	135	50
111-125	125	160	60
126-160	160	203	60
200	200	269	78
250	250	328	78
315	315	390	78

Test Evidence

THERM-A-CLOSE meets the performance requirements noted above in accordance with BSEN1363-1:1999, BSEN1363-3:2004 & BS476-20:1987

Copies of test reports and other performance evidence are available on request.

Contacting Us

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Intumescent Fire Seals Association



* Colours may vary slightly between examples illustrated in print, online and actual examples - which will depend upon lighting conditions in situ.