FirePro® Pipe Collar CE

Penetration sealing device for plastic pipework

Tested to the harmonised European Standard EN 1366-3:2009, FirePro Pipe Collar CE provides up to 4 hours* fire stopping in rigid floor constructions and up to 2 hours fire stopping in flexible/rigid wall constructions.
**Subject to the application*

FirePro Pipe Collar CE is slim in design (depth 30mm or 40mm) allowing it to be installed around a service where space is restricted. FirePro Pipe Collar CE can be installed on flexible wall, rigid wall and rigid floor constructions. When used around plastic combustible pipes, FirePro Pipe Collar CE will form a penetration seal to reinstate the fire resistance performance of the wall or floor construction.

FirePro Pipe Collar CE consists of a corrosion resistant powder coated steel sleeve, containing a flexible graphite based intumescent liner which is manufactured to suit standard diameter plastic pipework. Under fire conditions, the intumescent material within the collar expands, crushing the pipework and closing the void left by the pipework, preventing the passage of fire.

- Up to EI240* fire resistance
- Suitable for flexible wall and rigid wall/floor constructions
- Available to suit plastic pipe sizes ranging from 32mm to 160mm OD and PP pipes up to 250mm OD
- Tested in conjunction with FirePro Ablative Coated Batt seals

**EI - Integrity/Insulation, actual performance is subject to the application.*

Part of the comprehensive FirePro range, ROCKWOOL FirePro Pipe Collar CE is designed and tested to seal service penetration apertures containing plastic pipework. FirePro Pipe Collar CE provides a high-volume expansion and pressure seal during a fire.

Tested to the harmonised European Standard EN 1366-3:2009 and proven to perform as a penetration seal, FirePro Pipe Collar CE provides fire resistance for differing plastic pipework services and substrate constructions.

FirePro Pipe Collar CE

APPLICATIONS

Tested to reinstate the fire performance of rigid and flexible walls (minimum 100mm) and rigid floors (minimum 150mm) where combustible plastic pipes penetrate.

Fire resistance testing to EN 1366-3 and proven to perform for up to EI 240* in rigid floors and EI 120* in flexible/rigid walls.
**Subject to the application*

Used to seal standard plastic pipe penetrations 32mm – 250mm diameter.

Standard plastic pipes tested are PVC-U, PP, PE.

FirePro Pipe Collar CE is supplied in assembled form, without fixings. The collar is wrapped around the pipe at the soffit of a rigid floor or both faces of rigid/flexible walls.

'UL-EU certification and any product label is only applicable to the specific scope and field of application as defined within the current and valid UL-EU certificate number UL-EU-01205-CPR. Any additional details, amendments or additions to the product, or any use outside the scope or field of application, outside of that stated within certificate number UL-EU-01205-CPR has not been reviewed or approved by UL'.

FirePro Pipe Collar CE

PERFORMANCE

Fire performance

FirePro Pipe Collar CE provides up to 4 hours* fire resistance for PVC-U, PP and PE pipes. **Subject to the application.*

The performance of Pipe Collar CE will be limited to the performance of the substrate.

For further advice on sizes and suitable pipework types, please contact the Technical Solutions Team on 01656 868490

FirePro Pipe Collar CE has been certified by UL and CE marked to EAD 350454-00-1104.

Use the links below to access further information on fire performance:

UL-EU Certificate UL-EU-01205-CPR >

ETA 20/1127 >

Certificate of constancy of performance 2531-CPR-CXO10264 >

Fire stopping standard details pack >

PRODUCT INFORMATION

Property	Description	Test standard
Application temperature	-5°C to 40°C	
Application	Internal or External (Conditioned to Type X: -20°C - +70°C	EOTA TR 024
Expansion rate	20:1	EOTA TR 024
Expansion pressure	1.30	EOTA TR 024
Plastic types	PP, PVC-U, PE	
Colour	Red	
Fire resistance – rigid floors	Up to 4 hours	EN 1366-3:2009
Fire resistance – flexible & rigid walls	Up to 2 hours	EN 1366-3:2009
Fixing detail	3 No 60mm x 6mm Expanding Anchors – Rigid Floors 3 No Size 70 Wood Screws - Rigid Walls 3 No 50mm screw with penny washer - Flexible Walls 3 No 35mm Tap in Fixings - Rigid Walls & Floors 3 No 80mm Steel Pigtail Screws - Ablative Coated Batt seals in walls.	
Expected shelf life	N/A	Store in dry conditions unopened

STANDARDS AND APPROVALS

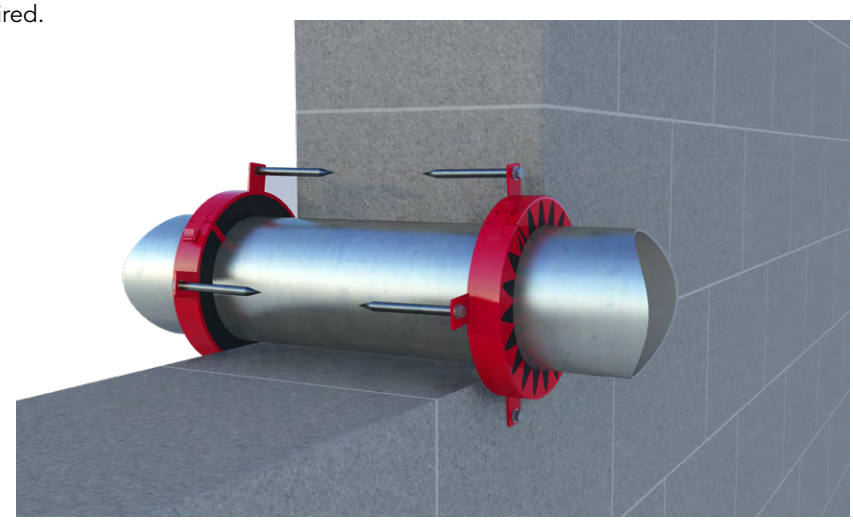
Certificate
FirePro Pipe Collar CE has been tested to BS EN 1366-3:2009
Third party certification through UL, Certificate No. UL-EU-01205-CPR
CE marked to EAD 350454-00-1104

FirePro Pipe Collar CE

INSTALLATION

Installation of FirePro Pipe Collar CE in walls

1. Walls shall be a minimum thickness of 100mm or greater.
2. Flexible drywalls/partitions shall comprise a minimum of 2 layers of 'Type F' Gypsum board on both faces, with minimum 50mm studs.
3. Solid block, masonry and concrete walls shall have a minimum density of 780kg/m^3 and a minimum thickness of 100mm. Aerated concrete block shall have a minimum density of 600kg/m^3.
4. Fire Stopping seals at maximum 1200mm high x 730mm wide consisting of a double layer of Ablative Coated Batt seal 2 x 50mm or 2 x 60mm.
5. All walls shall have at least the same fire resistance as that required of the sealing system.
6. Services penetrating the division shall be suitably supported via steel angles, hangers or channels, no further than 400mm from the surface of the sealing system on both faces.
7. Multiple apertures must be separated by a minimum of 200mm in drywalls and concrete/masonry constructions.
8. Check services to be treated are within scope of test data.
9. All services and apertures need to be thoroughly clean and clear of dust and loose particles.
10. Temperature to be 5°C or above at time of installation.
11. Gaps of up to 10mm wide around the service within the substrate can be filled with a minimum 5mm deep FirePro Acoustic Intumescent Sealant.
12. In rigid walls, for gaps greater than 10mm wide, ROCKWOOL FireStop Compound can be used.
13. Fixing straps on the FirePro Pipe Collar CE are opened up and the collar is simply fitted around the plastic pipe with the fixing tabs closest to the face of the wall.
14. Lock the FirePro Pipe Collar CE around the pipe by closing the fixing strap. The collar is pushed flush to the surface of the wall.
15. The collar is then securely fastened to the substrate by means of fire rated fixings to suit the substrate and installed through the fixing tabs. Steel pig tail screws minimum 80mm are utilised to secure the collar through to the Ablative Coated Batt.
16. Repeat for the other side of the wall if required.



Pipe Collar CE wall application

FirePro Pipe Collar CE

Installation of FirePro Pipe Collar CE in floors

1. Floors shall be a minimum thickness of 150mm or greater.
2. Concrete, aerated concrete or masonry floors shall have a minimum density of 650kg/m^3.
3. All floors shall have at least the same fire resistance as that required of the sealing system.
4. Services penetrating the division shall be suitably supported via steel angles, hangers or channels, no further than 400mm from the upper surface of the floor.
5. Check services to be treated are within scope of test data.
6. All services and apertures need to be thoroughly clean and clear of dust and loose particles.
7. Temperature to be 5°C or above at time of installation.
8. Gaps of up to 10mm wide around the service within the substrate can be filled with a minimum 5mm deep FirePro Acoustic Intumescent Sealant.
9. For gaps greater than 10mm wide, ROCKWOOL FireStop Compound can be used.
10. Fixing straps on the FirePro Pipe Collar CE are opened up and the collar is simply fitted around the plastic pipe with the fixing tabs closest to the soffit of the floor.
11. Lock the FirePro Pipe Collar CE around the pipe by closing the fixing strap. The collar is pushed flush to the soffit of the floor.
12. The collar is then securely fastened to the substrate by means of fire rated fixings to suit the substrate and installed through the fixing tabs.

SPECIFICATION CLAUSES

FirePro Pipe Collar CE is associated with the following NBS Clauses:

P12 Fire stopping systems
380 Pipe collar: Surface mounted intumescent

FirePro Pipe Collar CE

BUILDING SAFETY AND PRODUCT USE

LEGAL NOTICES

General safety requirements – Building Safety Act 2022

ROCKWOOL Limited is committed to supporting specifiers, resellers and users of ROCKWOOL products for the full life cycle of the product to comply with the obligations and responsibilities set out in the Building Safety Act 2022. With regard to the general safety requirements of the Act, ROCKWOOL Limited cannot control or foresee every situation where its products might be used. We therefore strongly advise that specifiers, resellers and users contact us where use of ROCKWOOL products is contemplated in applications different from those explicitly described in the latest, relevant ROCKWOOL product datasheets; especially in applications that can be reasonably foreseen as critical to safety.

ROCKWOOL Limited reserves the right to amend the specification of its products without notice. Changes to the ROCKWOOL manufacturing process, or to pertinent regulations, may be reflected in changes to tested and certified product performance. Whilst ROCKWOOL Limited endeavours to keep its publications up to date, readers will appreciate that between publications there may be pertinent changes in the law or other developments affecting the accuracy of the information contained in our publications.

ROCKWOOL Limited does not accept responsibility for the consequences of using (including testing or certifying) its products in applications different from those explicitly described in the relevant ROCKWOOL product datasheets. Expert advice should be sought, and ROCKWOOL Limited should be contacted, where such different use is contemplated, or where the extent of any use described by ROCKWOOL Limited is in doubt.

The ROCKWOOL Trademark

ROCKWOOL® - our trademark

The ROCKWOOL trademark was initially registered in Denmark as a logo mark back in 1936. In 1937, it was accompanied with a word mark registration; a registration which is now extended to more than 60 countries around the world.

The ROCKWOOL trademark is one of the most important assets of the ROCKWOOL Group, and is therefore well-protected and defended by ROCKWOOL throughout the world.

If you require permission to use the ROCKWOOL logo for your business, advertising or promotion, you must apply for a Trade Mark Usage Agreement.

To apply, write to:
marketcom@rockwool.com

Trademarks

Registered trademarks of the ROCKWOOL Group include but are not limited to:

ROCKWOOL®, RockClose®, RainScreen Duo Slab®, HardRock®, RockFloor® Flexi®, RockFall®, FirePro®, DuctRock®, BeamClad®, NyRock®

Photography and illustrations

The product illustrations are the property of ROCKWOOL Limited and have been created for indicative purposes only.

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If you require permission to use ROCKWOOL images, you must apply for a Usage Agreement.

To apply, write to:
marketcom@rockwool.com

HEALTH & SAFETY

A Material Safety Data Sheet is available and can be downloaded from **www.rockwool.com/uk** to assist in the preparation of risk assessments, as required by the Control of Substances Hazardous to Health Regulations (COSHH)

1.	Unique identification code of the product-type	UK-WER-0249-02_english
2.	Intended use of the construction product as foreseen by the manufacturer, in accordance with the applicable harmonised technical specification	Fire Stopping and Fire Sealing Products for Penetration Seals. The field of application must comply with the content of ETA 20/1127.
3.	Name, registered trade name or registered trade mark and contact address of the manufacturer, as required pursuant to Article 11(5) of regulation (EU) No 305/2011	ROCKWOOL® Limited Pencoed, Bridgend, CF35 6NY
4.	Name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2) of regulation (EU) No 305/2011	ROCKWOOL® FRANCE S.A.S. 111 rue du Château des Rentiers, 75013 Paris, France. dop.eu@rockwool.com
5.	Applicable System or Systems of Assessment and Verification of Constancy of Performance (AVCP)	SYSTEM 1
6.	European Assessment Document (EAD) number and date of issue	EAD 350454-00-1104 (Fire Stopping and Fire Sealing Products - Penetration Seals). Issued: September 2017
7.	European Technical Assessment (ETA) number and date of issue	ETA 20/1127 Issued: 15th December 2020
8.	Technical Assessment Body (TAB) name	ETA-Danmark A/S
9.	Notified Body identification number	2531
10.	Declared Performances	Please refer to the table below (NPD – No Performance Determined)

EAD Clause	Product characteristics	Assessment of Characteristics
	Basic Works Requirement 2: Safety in case of fire	
2.2.1	Reaction to Fire	Class E according to EN13501-1
2.2.2	Resistance to Fire	Resistance to fire performance and field of application in accordance with EN13501-2. See ETA 20/1127 Clause 3.1.2 and Annex A
	Basic Works Requirement 3: Hygiene, health and the environment	
2.2.3	Air permeability	NPD
2.2.4	Water permeability	NPD
2.2.5	Content, emission and/or release of dangerous substances	See ETA 20/1127 Clause 3.2.1
	Basic Works Requirement 4: Safety and accessibility in use	
2.2.6	Mechanical resistance and stability	NPD
2.2.7	Resistance to impact / movement	NPD
2.2.8	Adhesion	NPD
2.2.9	Durability	X: intended for use in conditions exposed to weathering.
	Basic Works Requirement 5: Protection against noise	
2.2.10	Airborne sound insulation	NPD
	Basic Works Requirement 6: Energy economy and heat retention	
2.2.11	Thermal properties	NPD
2.2.12	Water vapour permeability	NPD

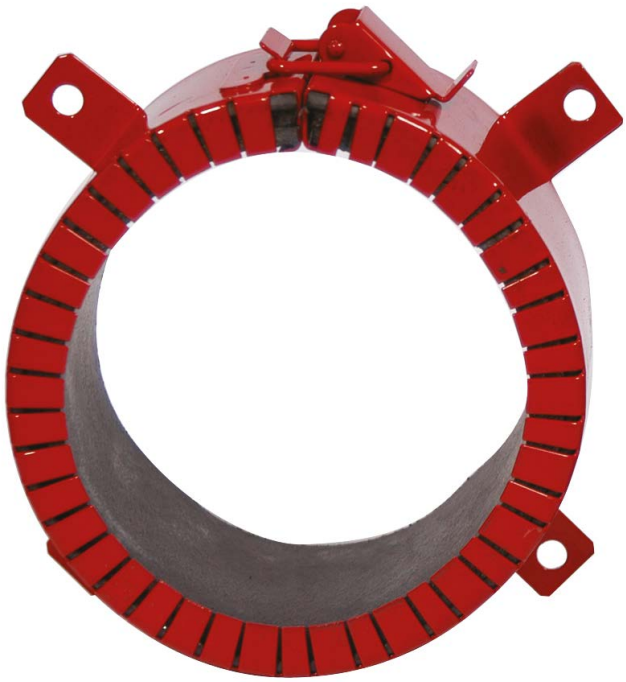
The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Tim Vincent
Head of Technical

At Bridgend on 10th December 2021

Pipe Collars



Tools required

- Screwdriver
- Drill

Ancillary products

Acoustic Intumescent Sealant, Firestop Compound, mechanical fixings to suit substrate

Fixing and application

Installation of Pipe Collars in walls

1. Fill any annular gaps between the pipe and the substrate with either ROCKWOOL Acoustic Intumescent Sealant (min 10mm depth) for annular gaps not exceeding 7.5mm or Firestop Compound for gaps greater than 7.5mm.
2. Undo the toggle clip on the Firestop Pipe Collar and open it out.
3. Slide the Firestop Pipe Collar, with its fixing tabs pointing towards the face of the wall, around the plastic pipe.
4. Lock the Firestop Pipe Collar around the pipe closing the toggle clip. Push the Firestop Pipe Collar back on to the wall.
5. Fix the Firestop Pipe Collar to the wall by means of 32 x 8mm steel self-tapping screws, through the fixing tabs (or fire rated fixings to suit the substrate).
6. Repeat for the other side of the wall if required.

Installation of Pipe Collars in floors

1. Fill any annular gaps between the pipe and the substrate with either ROCKWOOL Acoustic Intumescent Sealant (min 10mm depth) for annular gaps not exceeding 7.5mm or Firestop Compound for gaps greater than 7.5mm.
2. Undo the toggle clip on the Firestop Pipe Collar and open it out.

3. Slide the Firestop Pipe Collar, with its fixing tabs pointing up towards the face of the soffit, around the plastic pipe.
4. Lock the Firestop Pipe Collar around the pipe closing the toggle clip. Push the Firestop Pipe Collar back on to the soffit.
5. Fix the Firestop Pipe Collar to the soffit by means of 32 x 8mm steel self-tapping screws, through the fixing tabs.

Installation of Palm Collars

1. Fill any annular gaps between the pipe and the substrate with either ROCKWOOL Acoustic Intumescent Sealant (min 10mm depth) for annular gaps not exceeding 7.5mm or Firestop Compound for gaps greater than 7.5mm.
2. Slide the Palm Collars around the pipe with the fixing tabs facing the solid wall/floor surface.
3. Secure the collar to the pipe using the either the steel toggles (60mm depth collars) or clasps (200mm depth collars).
4. Surface mount the collar to the solid wall/floor substrate with screws/bolts fitted through the fixing tabs. Fixings used to secure the collar should a minimum of 50mm in length.
5. Repeat for both sides of the solid wall/floor.

Other installation information

Cast in applications

Where 'cast-in' applications are approved, the Palm Collar is fitted in an enlarged hole within the structure, ensuring that at least 30mm of the collar is exposed on each face of the wall. The annular gap around the pipe collar is then filled with ROCKWOOL Firestop Compound.

Health & safety

The mechanical effect of fibres in contact with skin may cause temporary itching.

Cover exposed skin

When working in unventilated area wear disposable face mask.

Clean area using vacuum equipment.

Waste should be disposed of according to local regulations.

Rinse in cold water before washing.

Ventilate working area if possible.

Wear goggles when working overhead.