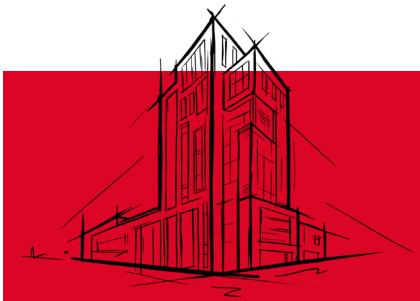
FirePro® Pipe Collar CE

Penetration sealing device for plastic pipework

FirePro® Pipe Collar CE has been replaced by a newer product, FirePro® Pipe Collar. This datasheet remains available to support existing projects and specifications.

For new specifications, ROCKWOOL highly recommends the use of FirePro Pipe Collar.

For product information and guidance, visit: www.rockwool.com/uk/products/firepro-pipe-collar/



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.

Pencoed, Bridgend CF35 6NY
Tel: (+44) 1656 862 621 • technical.solutions@rockwool.com

FirePro Pipe Collar CE

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 ODw
- Tested in conjunction with FirePro® Ablative Coated Batt seals

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

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 FirePro 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 Guide >

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

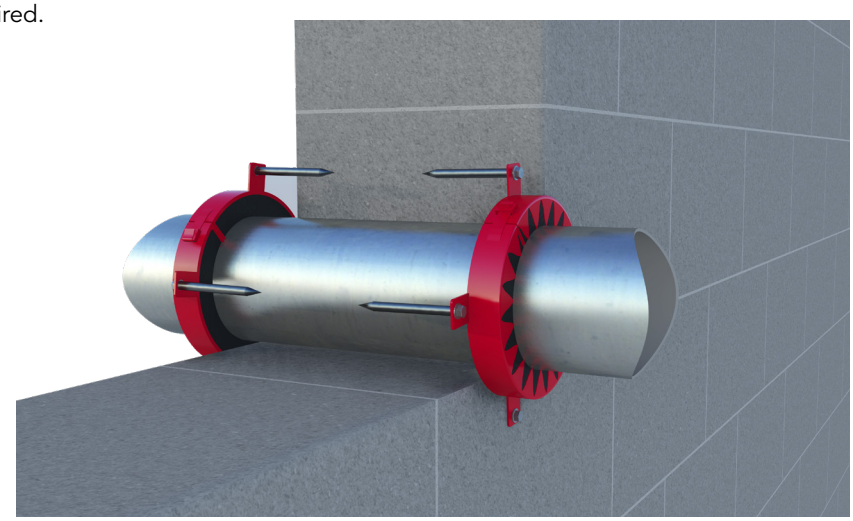
Certificate
FirePro Pipe Collar CE has been tested to BS EN 1366-3:2009
Third party certification through UL, Certificate No. UL-EU-01205-CPR
CE marked to EAD 350454-00-1104

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 FirePro 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, FirePro® 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 FirePro Ablative Coated Batt.
16. Repeat for the other side of the wall if required.



FirePro 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, FirePro 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)

ROCKWOOL stone wool - safe to install and live alongside

There are no hazardous classifications associated with stone wool insulation manufactured by ROCKWOOL-UK according to EU REACH and UK REACH regulations on health and the environment.

ROCKWOOL safe use instruction sheets and material safety data sheets (where applicable) can be downloaded **here**.

Sustainability

ROCKWOOL products are used to enrich modern living, creating safer, healthier and more climate-resilient communities.

We transform abundant, natural volcanic rock into stone wool insulation products that are used to reduce energy demand, lower fuel bills and help address society's climate change challenges.

ROCKWOOL stone wool insulation is recyclable and can be transformed into new ROCKWOOL products. Please contact us for details of how we can work together to recycle waste ROCKWOOL stone wool material that may be generated during on-site installation.

Our annual sustainability reports, which set out progress against our sustainability goals, and further details of the positive impacts of using our products can be found on our website.

Environment

ROCKWOOL takes a fact-based, auditable approach to documenting our progress in maximising our products' positive impact and minimising the effect our operations have on the environment, backed by third-party references and methodologies. Further details can be found online in our annual sustainability report.

Our high-tech production process uses filters, pre-heaters, after-burners and other cleaning and collection systems that help to reduce the effects of our manufacturing operations on the environment.

ROCKWOOL stone wool insulation does not contain (and has never contained) gases that have ozone depletion potential (ODP) or global warming potential (GWP).