

# Conlit® Pipe Collar

## Penetration sealing device for plastic pipework

Conlit Pipe Collar 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*

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

Conlit Pipe Collar 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 110mm to 160mm OD and PP pipes up to 250mm OD
- Tested in conjunction with Conlit Ablative Liquid coated slab

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



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

Proven to perform as a penetration seal, Conlit Pipe Collar provides fire resistance for differing plastic pipework services and substrate constructions.

# Conlit® Pipe Collar

## 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 110mm – 250mm diameter.

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

Conlit Pipe Collar 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.

### Fire performance

Conlit Pipe Collar provides up to 4 hours* fire resistance for PVC-U, PP and PE pipes.

**Subject to the application.*

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

For further advice on sizes and suitable pipework types, please contact the **ROCKWOOL technical solution team**.

## PRODUCT INFORMATION

| Property | Description | Test standard |
|---|---|---|
| Conlit Pipe Collar Diameter | 110mm, 125mm, 160mm. 200mm, 250mm | |
| 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 Nos of 60mm x 6mm Expanding Anchors – Rigid Floors<br>3 Nos of Size 70 Wood Screws - Rigid Walls<br>3 Nos of 65mm Spider Fixings - Flexible Walls<br>3 Nos of 35mm Tap in Fixings - Rigid Walls & Floors<br>3 Nos of 80mm Steel Pigtail Screws - Ablative Coated Batt seals in walls. | |
| Expected shelf life | N/A | Store in dry conditions unopened |

## STANDARDS AND APPROVALS

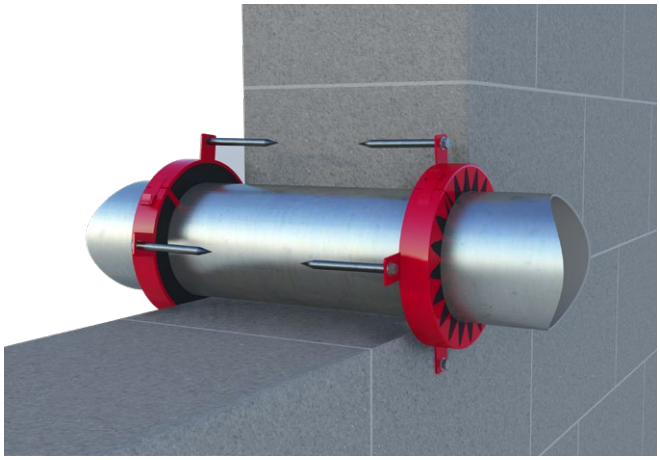
| Certificate |
|---|
| Conlit Pipe Collar has been tested to BS EN 1366-3:2009 |

# Conlit® Pipe Collar

## INSTALLATION

### Installation of Conlit Pipe Collar on 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. 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.
6. Multiple apertures must be separated by a minimum of 200mm in drywalls and concrete/ masonry constructions.
7. Check services to be treated are within scope of test data.
8. All services and apertures need to be thoroughly clean and clear of dust and loose particles.
9. Temperature to be 5°C or above at time of installation.
10. Gaps of up to 10mm wide around the service within the substrate can be filled with a minimum 5mm deep Conlit Acoustic Intumescent Sealant.
11. In rigid walls, for gaps greater than 10mm wide, ROCKWOOL Firestop compound can be used.
12. Fixing straps on the Conlit Pipe Collar are opened up and the collar is simply fitted around the plastic pipe with the fixing tabs closest to the face of the wall.
13. Lock the Conlit Pipe Collar around the pipe by closing the fixing strap. The collar is pushed flush to the surface of the wall.
14. The Conlit Pipe 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 Conlit Ablative Liquid Coated slab.
15. Repeat for the other side of the wall if required.



*Conlit Pipe Collar wall application*

### Installation of Conlit Pipe Collar on 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. 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.
4. Check services to be treated are within scope of test data.
5. All services and apertures need to be thoroughly clean and clear of dust and loose particles.
6. Temperature to be 5°C or above at time of installation.
7. Gaps of up to 10mm wide around the service within the substrate can be filled with a minimum 5mm deep Conlit Acoustic Intumescent Sealant.
8. For gaps greater than 10mm wide, ROCKWOOL Firestop compound can be used.
9. Fixing straps on the Conlit Pipe Collar are opened up and the collar is simply fitted around the plastic pipe with the fixing tabs closest to the soffit of the floor.
10. Lock the Conlit Pipe Collar around the pipe by closing the fixing strap. The collar is pushed flush to the soffit of the floor.
11. 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.

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## DISCLAIMERS

1. ROCKWOOL is a manufacturer and supplier of stone wool materials. ROCKWOOL has no control over the final design, workmanship, necessary materials or applicable conditions which can impact predicted performance.
2. All recommendations made by ROCKWOOL and all calculations, drawings and other specifications or information supplied by ROCKWOOL (for example on design, workmanship, materials, geographic, environmental, and other specific or unique end-use conditions) are therefore completely free of liability and are supplied by ROCKWOOL as non-binding information. The customer remains obliged to examine the information received on its suitability for the specific purpose intended and, if necessary, by trial processing or creation of a trial area as well as with the involvement of architects, engineers, designers and contractors etc.
3. ROCKWOOL is not liable for any direct or indirect loss or damage in any form and for any reason whatsoever arising from the advice and/or information referred to in 2 and 3.
4. Any observation made by ROCKWOOL during site visit is strictly a visual observation of normal installation practice just as any technical information transmitted is for general illustration purposes only.
5. The General Terms and Conditions of ROCKWOOL shall apply to any service given. The current version of the General Terms and Conditions is available at **www.rockwoolasia.com**.

## SUPPORTING INFORMATION

For further information relating to any aspect of the Conlit range, please refer to the applicable ROCKWOOL standard details at **www.rockwoolasia.com** or contact the **ROCKWOOL technical solution team**.

## SUSTAINABILITY

As an environmentally conscious company, ROCKWOOL promotes the sustainable production and use of insulation and is committed to a continuous process of environmental improvement.

All ROCKWOOL products provide outstanding thermal protection as well as four added benefits:



**Fire resistance**



**Acoustic comfort**



**Sustainable materials**



**Durability**

## HEALTH & SAFETY

ROCKWOOL stone wool insulation is non-hazardous and is not classified as carcinogenic according to the note Q of the Directive. 97/69/EEC and the regulation n° 1272/2008 (IV). ROCKWOOL stone wool insulation does not contain substances of very high concern (SHVC).

## ENVIRONMENT

Made from a renewable and plentiful naturally occurring resource, ROCKWOOL insulation saves fuel costs and energy in use and relies on trapped air for its thermal properties.

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

ROCKWOOL is approximately 97% recyclable. For waste ROCKWOOL material that may be generated during installation or at end of life, we are happy to discuss the individual requirements of contractors and users considering returning these materials to our factory for recycling.

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