Technical datasheet
Conlit Ablative Liquid
Version 1.01 September 2023



Conlit® Ablative Liquid

Improves the fire resistant properties for ROCKWOOL stone wool slabs

The Conlit Ablative Liquid is a water based, ready to use viscous paste which may be brush or spray-applied to stone wool slabs. The coating is available in white and in other colours subject to minimum order quantities. Conlit Ablative Liquid is supplied in 5L tubs.

- Suitable for spray or brush application
- Dries to give a sound, flexible white surface finish
- Provides a stable surface for adhesive and fixing sealants



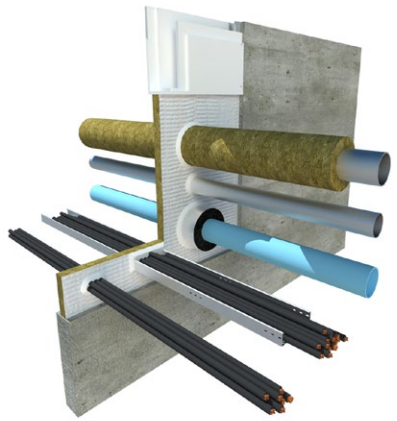
Conlit Ablative Liquid is used to further improve the fire resistant properties of ROCKWOOL stone wool slabs.

The ablative nature of the coating resists flame spread and forms an insulated char which protects the stone wool slab.

Conlit® Ablative Liquid

Conlit Ablative Liquid coated onto ROCKWOOL stone wool slab is intended to act as an air seal barrier to reinstate the fire resistance and acoustic performances of concrete floors, masonry walls and dry wall systems when voids have been created for the passage of services. This includes pipes made of plain or stainless steel, cast iron, copper, polypropylene (PP), high density polythene (HDPE), PVC and ABS along with all sheathed cables up to 80mm and supported cable bundles up to 100mm

The Conlit system is tested to fire resistance standard for penetration seals according to BS EN 1366-3. Together with Conlit Ablative Liquid coated onto specially developed ROCKWOOL slab, Conlit Acoustic Intumescent Sealant is also used with for the fire resistance tests.



Property	Description
Length	1200mm
Width	600mm
Thickness	50mm
Fire resistance	Up to 2 hours
Density	140kg/m^3
Air leakage	0.8m^3/h/m^2



Property	Description
Cure system	Water loss
Colour	White
Specific gravity	1.3 – 1.4
pH	8.5 – 9.2
Flashpoint	None
Solids content (%w/w)	>58%
Application temp range	+10°C to +30°C
Vice temp range	-15°C to +75°C
Shelf life	Up to 18 months when stored in unopened containers under cool dry conditions. AVOID FROST and extremes of temperature

INSTALLATION

1. Ensure that substrates and services to be coated are clean, dry and free from contaminants.
2. Brush Conlit ablative liquid onto all areas of the uncoated ROCKWOOL slab ensuring correct thickness of 2mm is achieved.
3. Ensure that the coating forms complete coverage and that no bare mineral wool can be seen.

Conlit® Ablative Liquid

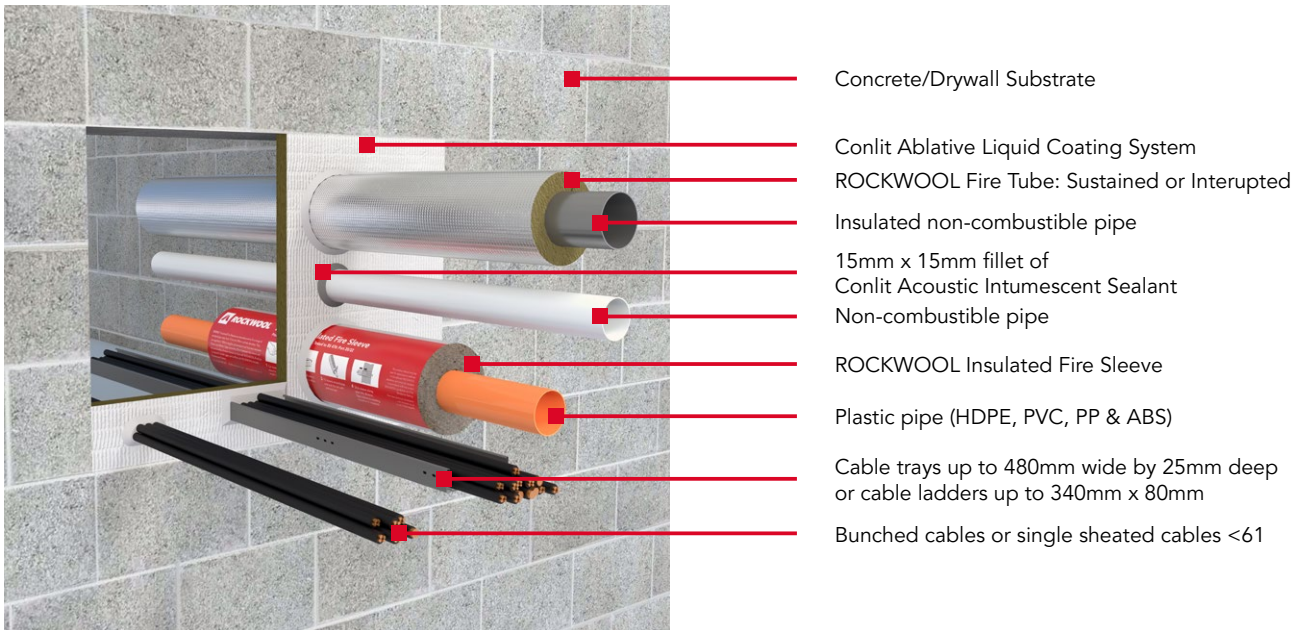
INSTALLATION

1. Make sure that the area within the aperture is clean of any debris and remove any dust from the edges.
2. Cut Conlit Ablative Liquid coated slab to the size and shape required to fit the aperture ensuring that ablative coated slab will make a tight fit with all edges of the aperture.
3. Cut rectangular holes from the ablative coated slab to accommodate cable trays or ladders containing cables.
4. Cut the ablative coated slab across its width at the mid-point of each rectangular hole to enable the ablative coated slab to be fitted into the aperture.
5. Apply Conlit Acoustic Intumescent Sealant to all edges of the ablative coated slab ensuring that an even cover is achieved over the entire thickness of the ablative coated slab. This should include the outer edges of the ablative coated slab and the edges of the cuts made across the ablative coated slab to allow fitting into the aperture.
6. Insert the ablative coated slab into the aperture.
7. Apply a bead of Conlit Acoustic Intumescent Sealant minimum 15mm wide around the perimeter of the ablative coated slab ensuring that all gaps between the slab and surrounding edges are fully filled.
8. Apply a bead of Conlit Acoustic Intumescent Sealant minimum 15mm wide where cables pass through the ablative coated slab. Ensure that the sealant fully enclosed each cable within the tray or ladder and that all gaps are fully filled.
9. Repeat step 7 and 8 on the other side of the ablative coated.

NOTE: For any areas of slab where the coating has been damaged, repaint with the Conlit Ablative Liquid Coating. Ensure that there is no uncoated slab or bare stone wool visible.

Other installation information

Conlit Ablative Liquid Coating System is not intended for use as load-bearing seals. Where a load-bearing seal is required, ROCKWOOL Conlit Firestop Compound should be considered. For seals over 1200mm x 1200mm slab to slab joints are to be fully coated with Conlit Glue.



Conlit® Ablative Liquid

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.

ROCKWOOL Building Materials (Singapore) Pte. Ltd.
No 7, Tuas Avenue 1, Jurong Town,
Singapore 639492
T (+65) 6861 4722
F (+65) 6862 3533
Email: sgpfp@rockwool.com