Technical datasheet
Conlit High Expansion
Intumescent Sealant
Version 2.02 September 2023



Conlit® High Expansion Intumescent Sealant

Prevents the spread of smoke and fire

ROCKWOOL Conlit High Expansion Intumescent Sealant is water based acrylic sealant containing graphite. In the event of a fire, the active components provide a high volume expansion and pressure seal, closing off the void left by combustible materials.

- Simple solution for sealing combustible pipes and metal pipes with combustible insulation
- Suitable for both walls and floors
- Compatible with cPVC pipes
- Tested in multiple substrates



Conlit High Expansion Intumescent Sealant is an easy to apply water based acrylic emulsion sealant containing graphite.

It reacts to temperatures above 135°C which is used to reinstate the integrity and insulation rating of compartment walls and floors where penetrated by combustible and non-combustible materials.

Conlit® High Expansion Intumescent Sealant

APPLICATIONS

Conlit High expansion Intumescent Sealant is comprehensively tested for a wide range of applications which include:

- Combustible pipes
- Metal pipes insulated with combustible insulation
- Cables (single cables or cable bunches)
- Other permanent services



Fire performance

Conlit High Expansion Intumescent Sealant has been tested to BS EN 1366-3: 2009 and BS EN 1366-4: 2006 +A1:2010 and classified to EN 13501-2, providing up to 4 hours* fire protection in joints up to 30mm.

**Subject to the application.*

PRODUCT INFORMATION

Property	Description
Form	Ready to use thixotropic paste
Pack size	600ml Sausage
Curing system	Water based
Specific gravity	1.5
Extrusion rate	350g/min
SAG	<3min
Open time	30mins
Tack free time	60mins
Shore (A) hardness	50
Solids	>80%
Application temperature range	+4°C to +35°C
Service temperature range	-15°C to 70°C
Shelf life	Up to 12 months when stored in unopened cartridges under cool, dry conditions. **Avoid Extreme Temperatures**

Conlit® High Expansion Intumescent Sealant

INSTALLATION

All surfaces must be clean and sound, free from dirt, grease and other contamination.

Prepare joint by cleaning as previously detailed and insert backer if required. Cut nozzle to the desired angle and gun firmly into the joint to give a good solid fill to the required depth. Strike off the sealant flush with the joint sides within five minutes of application, before surface skinning occurs. A small amount of shrinkage will occur on curing. If a flush finish is required, fill the joint slightly proud of the surface to allow for shrinkage.



Important information

- *The sealant is not intended for application on bituminous substrates or substrates that can exude certain oils and plasticizers or solvents.*
- *The sealant is not recommended for submerged joints or areas exposed to high abrasion.*
- *The sealant is not suitable for food contact or medical applications.*

A High Expansion Intumescent Sealant is different to standard intumescent sealants. It is tested and installed within a defined annular space between the service and the substrate. Please refer to the ROCKWOOL Standard Details for a complete list of tested systems.

Conlit® High Expansion Intumescent Sealant

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