Application type	Fire
Construction type	Penetration Void Fillers

ROCKWOOL®

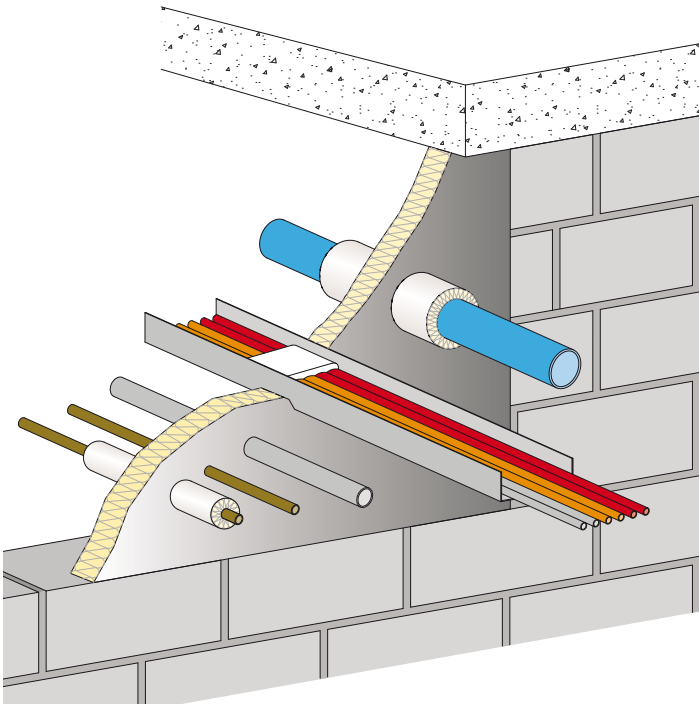
Ablative Coated Batt

Firestop solution for large voids in walls and floors

As part of the comprehensive FirePro range of fire protection products, the Rockwool Ablative Coated Batt is used to provide fire and acoustic barriers for voids created by the passage of services in both dry wall systems and masonry walls and floors. Such services include pipes made from steel, copper, PVC, ABS and HDPE together with sheathed cables supported on both trays and ladders. The Batts can also be used to from a blank seal, up to 1200mm x 600mm, in such wall and floor voids.

In response to this growing and increasingly important market, Rockwool has re-designed and tested the product to the dedicated fire resistance standard for penetration seals - prEN 1366-3. Due to its specific nature, this document is intended to supersede the traditional BS 476: Parts 20 and 22 previously used for fire seal testing in the UK construction market.

The tests have proved the capability of a single 60mm Batt to provide up to 4 hours fire resistance integrity and up to 2 hours insulation when used with all of the services listed above and also as a blank seal. Even for extreme requirements, where 4 hours integrity and insulation are required to maintain the performance of a masonry wall, a solution can also be accomplished with a double Batt solution.



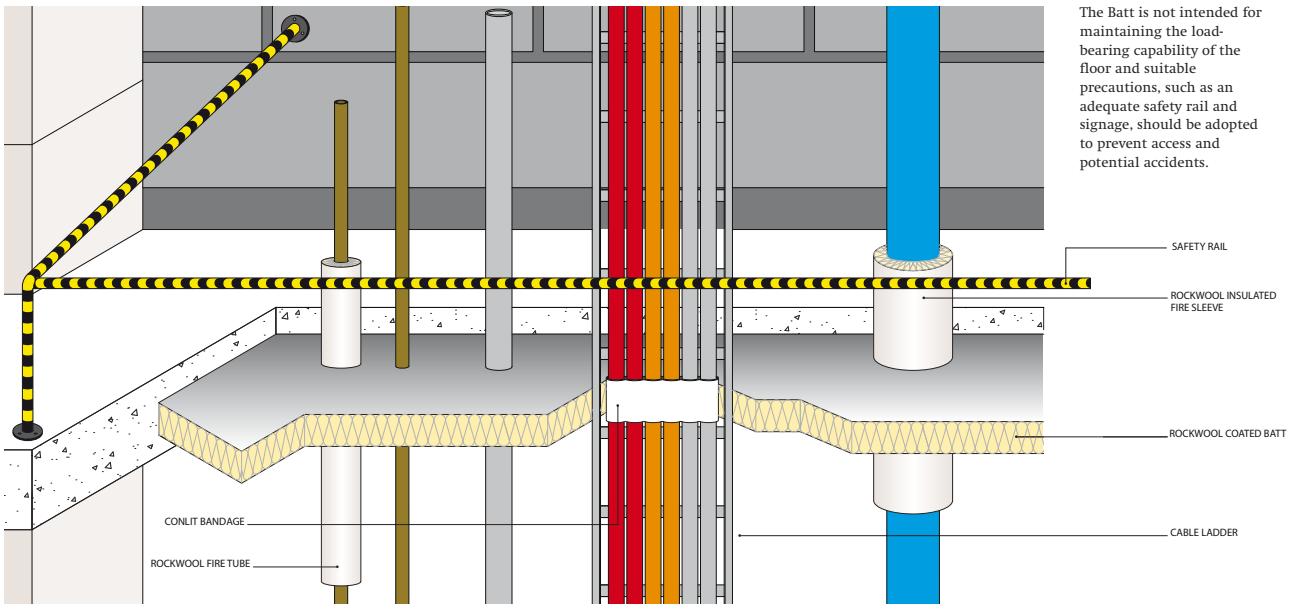
General benefits:

- Excellent fire resistance from single thickness Batt
- Standard size: 1200 x 600 x60mm
- Suitable for sealing large wall and floor voids containing most commonly used services
- Can be used as a blank seal
- Tested for use in masonry and dry wall constructions
- Lightweight and simple installation
- Maintenance free
- 180kg density base material provides additional benefits of a smoke and acoustic seal

Rockwool supports FIRAS accredited installers

The following NBS Plus clauses include 'Ablative Coated Batt': P12-335, P12-345, P12-365

Description, performance and properties



The Batt is not intended for maintaining the load-bearing capability of the floor and suitable precautions, such as an adequate safety rail and signage, should be adopted to prevent access and potential accidents.

Installation

FirePro Coated Batts are manufactured by spraying specially produced, high density Rockwool insulation with an additional fire protection ablative coating.

To install, the Batts are simply cut and friction fitted between the services and the edges of the wall or floor void to completely seal the void. Where but joints are required between cut sections of adjacent Batts, the fire rated coating is applied to both mating edges in order to form a fire tight bond between the individual pieces of insulation. All joints, including those around the perimeter of the Batt, are then pointed with FirePro Acoustic Intumescent Sealant to complete the seal.

It must be noted that plastic pipes (PVC, ABS and HDPE etc.) must be sleeved with FirePro Insulated Fire Sleeves at the point at which they pass through the Ablative Coated Batt. Similarly to achieve fire resistance insulation (I) with metal pipes such as steel and copper, the pipes must be fully insulated along their length and, for a minimum distance of 500mm either side of the coated batt, this insulation must be Rockwool FirePro FireTube. The joint between the Batt and Fire Sleeve or Fire Tube must be pointed with the FirePro Sealant.

Load-Bearing seals

FirePro Ablative Coated Batts are not intended for use as load-bearing seals. Where a load-bearing seal is required, Rockwool FireStop Compound should be considered.

Fire performance

Rockwool Coated Batt has been tested to the dedicated fire resistance standard for penetration seals - prEN 1366-3. The independently prepared assessment, detailing the full scope of fire performance, is available from the Rockwool Technical Sales Department. Ablative Coated batt fire resistance tests were conducted using Rockwool Acoustic Intumescent Sealant.

Acoustic Data

The correct use of Coated Batt within structural cavities and voids will reduce the level of transmitted sound:-
Rw= up to 52 db (2 x Coated Batts) – incorporating 48mm O/D PVC / 15mm copper pipe penetrations.
Rw= up to 34 db (1x Coated Batts) – incorporating 48mm O/D PVC / 15mm copper pipe penetrations.

Health and safety

Current HSE 'CHIP' Regulations and EU directive 97/69/EC confirm the safety of Rockwool mineral wool; Rockwool fibres are not classified as a possible human carcinogen.

The maximum exposure limit for mineral wool is 5mg/m^3, 8 hour time-weighted average.

A Material Safety Data Sheet is available from Rockwool Customer Support (0871 222 1780) to assist in the preparation of risk assessments, as required by the Control of Substances Hazardous to Health Regulations (COSHH).

Environment

Relying on entrapped air for its thermal properties, Rockwool insulation does not contain (and has never contained) gases that have Ozone Depleting Potential (ODP) or Global Warming Potential (GWP). Rockwool therefore complies with the relatively modest threshold of GWPL5 included in documents such as the Code for Sustainable Homes.

Rockwool Ltd is increasingly involved in recycling waste Rockwool material that may be generated during installation or at the end of life disposal.

ZERO GWP GLOBAL WARMING POTENTIAL ZERO ODP OZONE DEPLETING POTENTIAL

We are happy to discuss the individual requirements of contractors and users considering returning Rockwool materials to our factory for recycling.

More information

For further details visit our website at www.rockwool.co.uk or phone Customer Support 0871 222 1780

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