



May 2013

Rocksilk Smoke and Fire Barrier

For compartmentation of large cavities

Description

Rocksilk Smoke and Fire Barrier is a non-combustible, flexible rock mineral wool mattress faced on one side with galvanised wire mesh which is stitched to the mattress with wire. Rocksilk Smoke and Fire Barrier is available either unfaced or foil faced on one, or both sides, and is labelled with a continuous identifying strip between the wire mesh and the rock mineral wool.

Facing	Thickness (mm)	Roll Size (mm)	Area per roll (m ²)
Unfaced	50	4000 x 900	3.60
Unfaced	50	4000 x 2 x 300	2.40
Foil faced one side	50	4000 x 900	3.60
Foil faced both sides	50	4000 x 900	3.60

All dimensions are nominal.

Performance

Fire

Rocksilk Smoke and Fire Barrier is classified as non-combustible to BS 476:Part 4:1970 (1984), Class 1 Surface Spread of Flame to BS 476:Part 7:1997 and Class 'O' to the Building Regulations. Fire Resistance is effective from either side of the barrier. A 50mm Rocksilk Smoke and Fire Barrier satisfies the criteria laid down in the Building Regulations for a half hour cavity barrier.

Benefits

- Offers both fire and acoustic performance
- Satisfies the Building Regulations criteria for half hour cavity barrier
- A double layer can achieve one hour fire protection
- Foil facing option available for use above clean rooms



Move Forward with Confidence

Rocksilk Smoke and Fire Barrier

Application

Rocksilk Smoke and Fire Barrier is used for the compartmentation of large cavities. It can be used in the following applications:

- Large cavities beneath metal, concrete and timber decks
- Large cavities above suspended ceilings
- Large cavities in pitched roofs

A single layer of 50mm Rocksilk Smoke and Fire Barrier achieves half an hour fire protection in terms of both insulation and integrity. Two layers of 50mm Rocksilk Smoke and Fire Barrier with a 50mm airspace between achieves one hour fire protection in terms of both insulation and integrity.

Standards

Rocksilk Smoke and Fire Barrier is manufactured in accordance with BS EN 13162, EN 16001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

Certification

Rocksilk Smoke and Fire Barrier has been subjected to full scale fire resistance tests to BS 476: Part 22:1987.

Durability

Rocksilk Smoke and Fire Barrier is odourless, rot proof, non-hygroscopic, does not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Acoustic performance

A cavity barrier comprising one layer of foil faced 50mm Rocksilk Smoke and Fire Barrier can offer significant sound reduction. When coupled with a ceiling system offering at least 32dB sound reduction and fixed to the head of a partition offering 44dB sound reduction, the flanking path through the ceiling and cavity barrier can also achieve a sound reduction of 44dB.

Environmental

Rocksilk Smoke and Fire Barrier represents no known threat to the environment and has zero Ozone Depletion Potential and zero Global Warming Potential.

Handling and storage

Rocksilk Smoke and Fire Barrier is easy to handle and install, being lightweight and easily cut to size, where necessary. Rocksilk Smoke and Fire Barrier is supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the product should either be stored indoors, or under cover and off the ground. Rocksilk Smoke and Fire Barrier should not be left permanently exposed to the elements.

Knauf Insulation Ltd

PO Box 10
Stafford Road
St Helens
Merseyside
WA10 3NS

Customer Service (sales)

Tel: 0844 800 0135

Technical Advice and Support Centre

Tel: 01744 766 666

Literature

Tel: 08700 668 660