



April 2011

## Rocksilk PyroDuct Slab

### For fire protection of ducts

#### Description

Rocksilk PyroDuct Slab is a rigid, rock mineral wool slab, faced with a Bright Class 'O' reinforced aluminium foil.

#### Application

Rocksilk PyroDuct Slab is fully tested and certified to provide up to 2 hours fire protection to HVAC steel ductwork. It can be used in horizontal ducts, vertical ducts, ducts passing through compartment walls and floors and kitchen extracts. Rocksilk PyroDuct Slab is suitable for applications above clean rooms, within air plenums or for aesthetic purposes.

#### Standards

Rocksilk PyroDuct Slab is made from non-combustible, inorganic rock mineral wool, defined as mineral wool in BS 3533:1981 and is manufactured to a Quality Assurance system which complies with BS EN ISO 9001:2000.

#### Certification

Rocksilk PyroDuct Slab is fully certified for duct types A and B (fire inside and outside with insulation, integrity and stability) to provide up to 2 hours fire protection for steel duct work.

### Performance

#### Thermal

Rocksilk PyroDuct has a thermal conductivity of 0.037W/mK.

#### Fire

Rocksilk PyroDuct Slab 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.

### Benefits

- Combines lightness, strength and ease of use
- Aluminium foil facing ensures a positive vapour seal
- Corrosion free
- No deterioration of performance over time
- Resilient, strong and flexible



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### Durability

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

### Acoustic performance

Rocksilk PyroDuct will provide effective noise control and reduce noise breakout from ducts, the actual performance varies with insulation thickness and surface finish.

### Moisture resistance

When exposed to 90% relative humidity and 20°C Rocksilk PyroDuct Slab absorbs less than 0.004% of moisture. Rocksilk PyroDuct is non-wicking when tested in accordance with BS 2972:1989 Section 12.

### Environmental

Rocksilk PyroDuct Slab is free from CFCs, HCFCs and any other material with ozone depletion potential in its manufacture and content and represents no known threat to the environment. **Rocksilk PyroDuct Slab's manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.**

### Handling and storage

Rocksilk PyroDuct Slab is easy to handle and install, being lightweight and easily cut to size, where necessary. Rocksilk PyroDuct Slab 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 PyroDuct Slab should not be left permanently exposed to the elements.

Thickness (mm)	Length (mm)	Width (mm)	Slabs per pack	Area per pack (m <sup>2</sup> )
90	1200	600	2	1.44
45	1200	600	4	2.88

*All dimensions are nominal.*

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