

# Superflex FireBLOC

**PERMANITE**  
ENGINEERED ROOFING SYSTEMS

## Product Data Sheet

### Fire performance roofing membranes

December 2005

#### Features and benefits

- Permanite FireBLOC® technology
- Loss Prevention Certification Board Approved (included in the List of Approved Fire and Security Products and Services: 'The Red Book')
- Fire performance achieving BS 476: Part 3: FAA (testing carried out by the Warrington Fire Research Centre)
- British Board of Agrément certified membranes
- Choice of 350 g/m<sup>2</sup> or 250 g/m<sup>2</sup> high tensile strength polyester based cap sheets
- Traditional pour and roll (or cold adhesive) application
- SBS modified bitumen coating (low temperature flexibility to minus 20°C)
- 15 year guarantee covering materials and workmanship

#### Description

Superflex FireBLOC high performance roofing membranes are LPCB approved and provide long term waterproofing performance. The combination of Permanite FireBLOC technology, polyester bases for toughness and SBS polymer modified bitumen coatings for flexibility, ensures that Superflex FireBLOC membranes have the properties to cope with the demands of modern building techniques and achieve the highest UK fire ratings. The products are designed for application in hot bonding bitumen or cold adhesives.

#### Loss Prevention Certification Board approval

Systems including Superflex FireBLOC are approved by The Loss Prevention Certification Board and are included in the 'List of Approved Fire and Security Products and Services' (The Red Book). Permanite mineral wool and polyisocyanurate fire-performance insulation options complement Superflex FireBLOC systems.

#### Product details

##### Superflex 350 FireBLOC Slate

Incorporating Permanite FireBLOC technology, utilises a 350g/m<sup>2</sup> polyester base, coated with SBS modified bitumen, providing the highest degree of strength and overall product performance. Superflex 350 FireBLOC is available in a choice of three slate finishes: green, blue/grey and brown, with a sand surfacing on the reverse.

##### Superflex 250 FireBLOC Slate

Incorporating Permanite FireBLOC technology, utilises a 250g/m<sup>2</sup> polyester base, coated with SBS modified bitumen, providing the excellent strength and flexibility. Superflex 250 FireBLOC is available in a green slate finish, with a sand surfacing on the reverse.

##### Superflex 250 FireBLOC Sand

Utilises a 250g/m<sup>2</sup> polyester base, coated with SBS modified bitumen, providing an underlay with increased performance or a cap sheet with an insitu chipping finish. Sand surfaced both sides.

##### Superbase FireBLOC Underlay

Utilises a 180 g/m<sup>2</sup> polyester base, coated with SBS modified bitumen and is used as an underlay. The product is sand surfaced.

#### Dimensions and weights

	Superflex 350 FireBLOC Slate	Superflex 250 FireBLOC Slate	Superflex 250 FireBLOC Sand	Superbase FireBLOC Underlay
Base weight (g/m <sup>2</sup> )	350	250	250	180
Roll width (m)	1	1	1	1
Roll length (m)	8	8	16	16
Weight (kg/m <sup>2</sup> )	4.8	4.0	2.5	2.1
Roll weight (kg)	38	32	40	34

## Typical performance

		Superflex 350 FireBLOC Slate	Superflex 250 FireBLOC Slate	Superflex 250 FireBLOC Sand	Superbase FireBLOC Underlay
Tensile strength (N/50 mm) to BS EN 12311: 2000	MD	800	800	600	500
	TD	700	750	550	400
Elongation at break (%) to BS EN 12311: 2000	MD	40	45	30	30
	TD	50	50	30	40
Low temperature flexibility to BS EN 1109: 2000 (°C)		- 20	- 20	- 20	- 20

## Application

Superflex FireBLOC membranes should be installed in accordance with BS 8217: 2005, Code of Practice for built up roofing and to Permanite's specifications. Superflex FireBLOC is applied by traditional pour and roll methods. Hot bitumen is poured in front of the roofing felt roll, which is then unrolled into the bitumen, spreading it to give a continuous coating for the full width. Alternatively, membranes can be bonded with Permanite approved cold adhesives. The membranes are applied with minimum 75 mm side and end laps.

### Built-up roofing alternatives

Superflex FireBLOC is typically installed in two and three layer systems. In a two-layer system both layers should be fully bonded, the underlay being bonded to a suitable insulation or substrate. In a three layer system the cap sheet and intermediate layers should be fully bonded to a random nailed preparation layer or BS 747 Type 3G perforated underlay, depending on the substrate or insulation specified. Detailed specification advice is available from the Permanite Technical Services Department.

## The Premier Range Guarantee

Superflex FireBLOC roofing systems form part of the Premier Roofing Range and are supplied through the Permanite nationwide distribution scheme. When installed by a Registered Contractor in accordance with Permanite recommendations, Superflex FireBLOC systems are offered with a 15 year guarantee covering the materials and the Registered Contractor's workmanship.

## Health and safety

A Health and Safety data sheet relating to Superflex FireBLOC is available from the Technical & Design Services Department on 0800 783 3210 or E-mail [roof.tech@permanite.com](mailto:roof.tech@permanite.com). Alternatively, Health and Safety data sheets for all Permanite products are available as down-loads from the Permanite web site: [www.permanite.com](http://www.permanite.com)

## Technical and design support

Technical advice can be obtained from the Technical & Design Services Department on:  
Tel: 0800 783 3210 Fax 01629 583375 Email [roof.tech@permanite.com](mailto:roof.tech@permanite.com)

## Other products

Permanite is part of the IKO Group which manufactures and supplies a wide range of high performance, insulated roofing systems including bituminous membranes, mastic asphalt, hot melt and polymeric single ply. The range also encompasses green roof systems, DPCs/DPMs/tanking materials and liquid waterproofing solutions and compounds. Full product literature is available as downloads from the web site: [www.permanite.com](http://www.permanite.com) or on request by email: [marketing@permanite.com](mailto:marketing@permanite.com)

### Permanite Engineered Roofing Systems

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