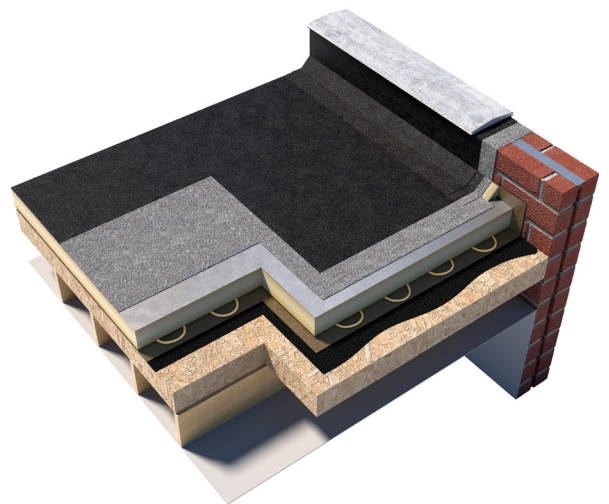


# ***EshaFlex***

## **370 FireSafe**

# Product Data Sheet



A torch applied SBS modified bituminised polyester/fibreglass composite cap sheet finish for use in bituminous roofing systems.

## Product Data Sheet

### General Information

**EshaFlex 370 FireSafe** cap sheet is a fire protection top layer for EshaFlex exposed flat roofing systems, providing a zero spread-of-flame risk and eliminating the potential for fire penetration. EshaFlex 370 FireSafe will not readily support a flame and subsequently emits minimal smoke, thus reducing the risk of significant hazard to life in the event of a fire.

When fire comes into contact with the surface of the EshaFlex 370 FireSafe cap sheet the presence of volcanic rock in the membrane brings about an endothermic reaction. Heat is actually drawn from the flame to support a process of carbonisation in the cap sheet, so reducing the burn temperature. The resulting unbroken carbonised 'shell' then seals off combustible material beneath, denying the already-weakened flame further fuel and preventing any further combustion.

EshaFlex 370 FireSafe cap sheet is a torch-applied SBS modified bituminised polyester/ fibreglass composite cap sheet with a black mineral finish suitable for all types of roof with a flat or sloped roof construction on new build or refurbishment. Overlaps must be torched.

For all applicable roofing systems contact Radmat Building Products and see BBA certificate No. 15/5282.

For a comprehensive NBS J41 specification contract Radmat Building Products.

### Fire Performance

EshaFlex roofing systems incorporating EshaFlex 370 FireSafe can achieve a rating of EXT.F.AA when tested in accordance to BS 476-3 : 2004. For exact build-ups please contact Radmat Building Products Ltd.

### Directions of Application

Torch applied to base sheet or suitable surface in accordance with the Radmat specification. Overlaps must be torched.

### Delivery Conditions

**Delivery form** 25 rolls EshaFlex 370 FireSafe in vertical position, shrink-wrapped on a one-way pallet (80 x 120).

### Storage and transport

EshaFlex 370 FireSafe must be stored stood on end on a smooth level and dry surface: temperature between 0 and 30°C; avoid direct sunlight

### Product identification

Information on the roll: Product name. Dimensions. Approvals. Production date.

### Packaging Application Guidance



This information given in good faith and is based on the latest knowledge available to Radmat Building products Ltd. Whilst every effort has been made to ensure that the contents of the publication are current while going to press, customers are advised that products, techniques and codes of practice are under constant review and liable to change without notice.

For further information on Radmat products and services please call 01858 410372, email [techenquiries@radmat.com](mailto:techenquiries@radmat.com) or visit our website [www.radmat.com](http://www.radmat.com)

## Product Data Sheet

Product description				
Appearance top side	Mineral granules with thermofusible PP film to overlap selvedge			
Coating top side	SBS modified bitumen			
Reinforcement	Polyester			
Material	SBS modified bitumen			
Selvedge width	120 mm ±5			
Typical Thickness	4.5 mm ±0.2			
Declared performance according to EN 13707:2004 +A2:2009				
Essential characteristics	Test method	Value or statement	Tolerance	Units
Visible defects	EN 1850-2	Pass	-	-
Roll Length	EN 1848-1	7.5	± 0.1	m
Width	EN 1848-1	1.0	± 0.02	m
Straightness	EN 1848-1	< 20	-	mm/10m
Mass per unit area	EN 1849-1	5.2	± 0.25	kg/m²
Effective thickness	EN 1849-2	NPD	-	mm
External fire performance*	EN 1928 (B)	PASS	-	-
Reaction to fire	EN 13501-5	Broof (t4)	-	-
Watertightness	EN 13501-1	Class F	-	-
Tensile strength	EN 12311-2 (A)	900 (MD); 900 (TD)	± 20%	N/50mm
Elongation	EN 12311-2 (A)	35 (MD); 35 (TD)	± 20%	%
Dimensional stability	EN 1107-1	≤ 1	-	%
Resistance to Cold Blend	EN 1109	≤ -10	-	°C
Flow resistance at elev. temp	EN 1110	>75	-	°C
Adhesion of granuals	EN 12039	< 30	-	%

NPD = No Performance Determined. MD = Machine Direction. TD =Transverse Direction.

\*The external fire performance of a roof is dominated by the built-up roof system. No performance can be assessed for the product alone.

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