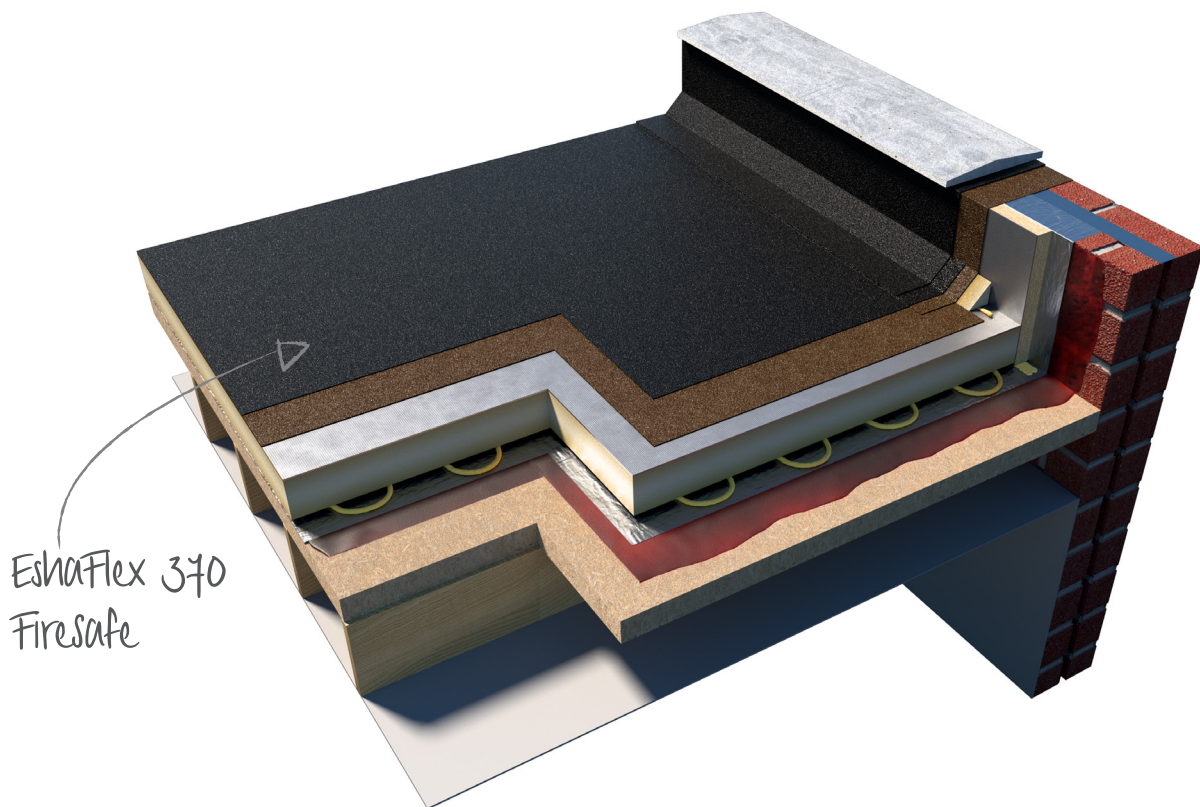


EshaFlex 370 FireSafe

Product Data Sheet



EshaFlex

370 FireSafe

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.

Suitable Applications

For all applicable roofing systems contact Radmat Building Products.

Suitable Substrates

Timber, concrete, metal deck.

Certificates

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

Fire Performance

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

Installation Instructions

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

Side overlaps	End Overlaps
80mm	100mm

Delivery Conditions

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

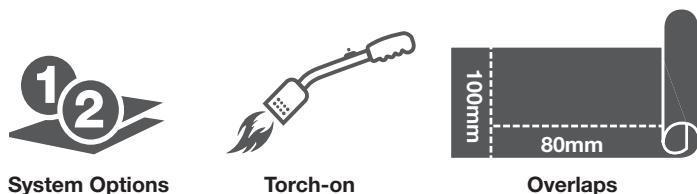
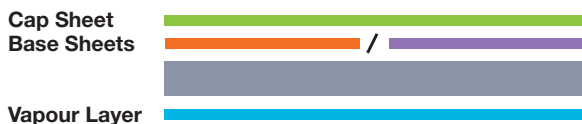
Storage and transport

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



EshaFlex

370 FireSafe

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
Surface bottom side	Thermofusible PP film

DECLARED PERFORMANCE ACCORDING TO EN 13707:2004 +A2:2009

Essential characteristics	Performance	Unit	Standard
Dimensions and Tolerances			
- Roll weight	38	kg	EN 1848-1
- Roll Width	1,0	m	EN 1848-1
- Roll Length	7	m	EN 1848-1
- Mass per unit area	5.2 ± 0.25	kg/m²	EN 1849-1
- Effective thickness	4.5 ± 0.2	mm	EN 1849-2
- Visible defects	Pass	-	EN 1850-2
Reaction to fire	Class F	-	-
- External fire performance	B _{roof} (t4)*	-	-
Mechanical Properties			
- Tensile strength (MD)	1250 ± 20%	N/50mm	EN 12311-2 (A)
- Tensile strength (CD)	900 ± 20%	N/50mm	EN 12311-2 (A)
- Elongation (MD)	50 ± 20%	%	EN 12311-2 (A)
- Elongation (CD)	55 ± 20%	%	EN 12311-2 (A)
- Tear resistance (nail shank)	NPD	-	-
Hygrometric Properties			
- Watertightness	Pass (≥ 10)	kPa	-
- Low temperature flexibility	-10	°C	-
Other Properties			
- Dangerous substances	NPD	-	-

NPD = No Performance Determined. MD = Machine Direction. CD = 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.

NBS Specification Clauses

Please view on NBS Source here:

<https://source.thenbs.com/product/eshaflex-370-firesafe/gQjGyGsp2WzoHtETj6f7Nc/97aAY9GmuH6dwkuFdXsQZf>

For a comprehensive NBS specification contact Radmat Building Products.

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 technquiries@radmat.com or visit our website www.radmat.com

28/06/24