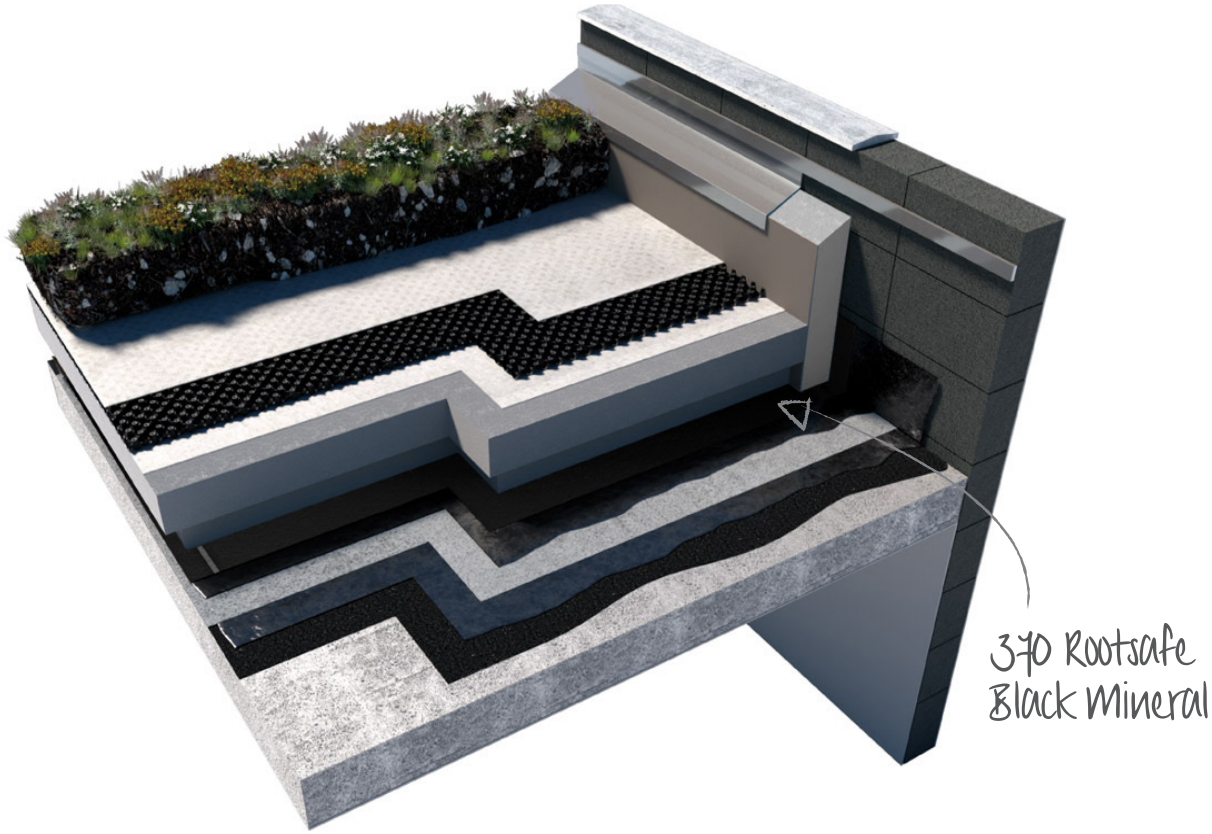
Radmat® building products

Specialists in Roofing and Waterproofing

370 RootSafe Black Mineral

Product Data Sheet



An SBS modified bitumen with reinforcement waterproofing covering for garden roof terraces and green roof terraces.

Author: LA	Reviewer: AT	Approver: NT	Previous Revision: 11/09/2024 v0	Latest Revision: 01/07/2025 v0

Radmat 370 RootSafe

Black Mineral

General Information

Radmat 370 RootSafe Black Mineral is an SBS modified bitumen with reinforcement waterproofing covering for garden roof terraces and green roof terraces. Coated with a mineral granule topside and elastomeric bitumen lower face underside, Radmat 370 RootSafe Black Mineral is suitable for green roof, blue roof and protected roof applications.

Radmat 370 RootSafe Black Mineral is a Reinforced Bitumen Membrane Cap Sheet for use in a 2 layer EshaFlex system and as a Protection Sheet in PermaQuik Hot Melt Systems.

Suitable Applications

Suitable for all types of roof with a flat or sloped roof construction on new build or refurbishment. Any waterproofing upstands not covered by the green roof substrate should be completed using EshaFlex 370 FireSafe.

For all applicable roofing systems contact Radmat Building Products.

Suitable Substrates

Timber, concrete, metal deck.

Certificates

BBA certificate No.15/5282

Installation Instructions

Torch applied to base sheet or suitable surface in accordance with the Radmat specification.
Overlaps must be torched. Side laps minimum 80mm. Head laps minimum 100mm.

Side overlaps	End Overlaps
80mm	100mm



Delivery Conditions

Delivery form

Delivery form 25 rolls Radmat 370 RootSafe Black Mineral in vertical position, shrink-wrapped on a oneway pallet (80 x 120).

Storage and transport

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

Product identification

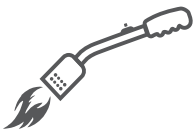
Information on the roll:
Product name.
Dimensions.
Approvals.
Production date.

Packaging Application Guidance





System Options



Torch-on



Overlaps

Radmat Building Products Ltd Holland House, Valley Way, Rockingham Road, Market Harborough, Leicestershire, LE16 7PS T : 01858 410 372 E : techenquiries@radmat.com

Radmat 370 RootSafe

Black Mineral

PRODUCT DESCRIPTION	
Appearance top side	Mineral Granules
Reinforcement	SBS Elastomeric bitumen reinforcement - Polyester
Coating bottom side	Elastomeric bitumen
Appearance bottom side	Elastomeric bitumen

DECLARED PERFORMANCE ACCORDING TO EN 13707:2004 +A2:2009			
Essential characteristics	**Performance**	**Units**	**Standard**
Dimensions and Tolerances			
- Roll Width	1.0	m	EN 1848-1
- Roll Length	8	m	EN 1848-1
- Straightness	Pass (< 20mm/10m)	-	EN 1848-1
- Mass per unit area	4.00-5 ± 10%	kg/m²	EN 1849-1
- Effective thickness	3.5	mm	EN 1849-1
- Visible defects	Pass	-	EN 1850-1
Reaction to fire	Class F	-	EN 13501-1:2002 (EN1ISO 11925-2)
Mechanical Properties			
- Tensile strength (MD)	700 ± 200	N/50mm	EN 12311-1
- Tensile strength (CD)	450 ± 150	N/50mm	EN 12311-1
- Elongation (MD)	45 ± 15	%	EN 12311-1
- Elongation (CD)	45 ± 15	%	EN 12311-1
- Resistance to static loading	≥ 15	kg	EN 12730 (A)
- Tear resistance (nail shank)	Not applicable	N	EN 12310-1
- Joint shear resistance	450 x 450 ± 150	N/50mm	EN 12317-1
- Joint peel resistance	Not applicable	N/50mm	EN 12316-1
- Reistance to root penetration	Pass/Pass	-	EN 13948
Hygrometric Properties			
- Water vapour permeability	μ = 20.000	-	EN 1931
- Watertightness	Pass (10 kPa)	-	EN 1928(B)
Other Properties			
- Flexibility at low temperature	≤ -15	°C	EN 1109
- Dangerous substances	NPD	-	-
- Flow resistance at elevated temperature	≥ 120	°C	EN 1110
- Dimensional stability	≤ (0.4)	%	EN 1107-1
- Adhesion of Granules	20(-20/+10)	%	EN 12039

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

NBS Specification Clauses

Please view on NBS Source here:

https://source.thenbs.com/product/radmat-370-rootsafe-black-mineral

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** or visit our website **www.radmat.com**

Previous Revision: 11/09/2024 v0	Latest Revision: **01/07/2025 v0**

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