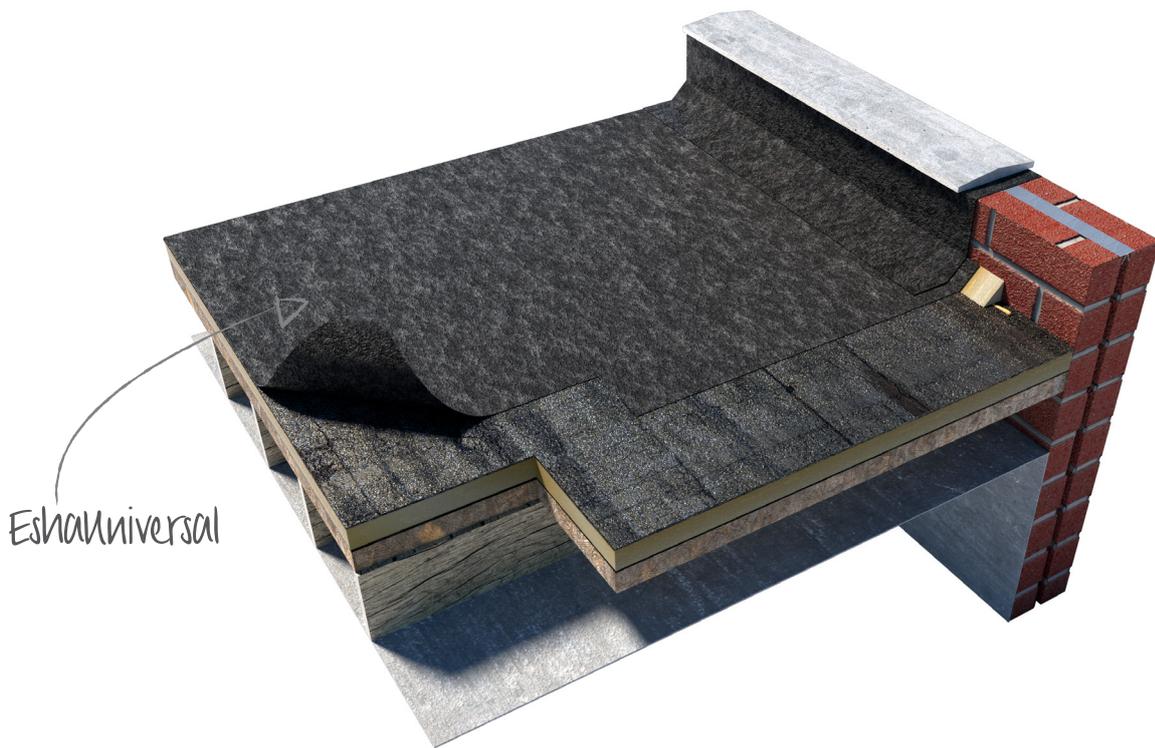


EshaUniversal

Product Data Sheet



EshaUniversal

Single Layer Membrane

General Information

EshaUniversal is a single layer roofing membrane. UV resistant, without the need for surface protection, EshaUniversal can be applied rapidly to insulation, timber, concrete decks, or used as an overlay to existing bituminous roofing systems.

EshaUniversal is applied as either:

- a mechanically fixed system
- a loose laid system with ballast
- a cold bonded system (bonded with EshaBond)

Overlaps must be heat welded.

For all applicable roofing systems see Esha Systems Information Sheets and KOMO certificate.

For a comprehensive NBS J41 specification contact Radmat Building Products.

Certificates

BBA Certificate, KOMO certificate: K66715, DUBO-keur, CE-0620, FM approved ID-nr. 3017648, NL-BSB: K66717.

Directions of Application

Overlaps must be welded with hot air.

System	Side overlaps	End Overlaps
Adhered	80mm	100mm
Ballasted	80mm	100mm
Mechanically Fixed	130mm with 80mm weld width	100mm

Delivery Conditions

Delivery form

18 rolls Esha Universal packed in tapes, shrink-wrapped on a one-way pallet (80 x 120).

Storage and transport

EshaUniversal must be stored stood on end on a dry and flat level surface, away from exposure to the sun. Temperature between 0 and 40° C.

Product identification

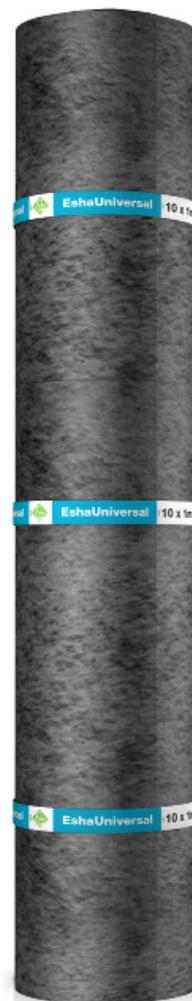
Information on the roll:

Product name.

Dimensions.

Approvals.

Production date.



EshaUniversal

Single Layer Membrane

Product description

Appearance top side	PP-Spun bond, marked with an overlap and a mechanical fixation line
Coating top side	POCB Compound
Reinforcement	Polyester/glassfleece +P/G-reinforced
Coating bottom side	POCB Compound
Appearance bottom side	PP-Spun Bond

Declared performance according to EN 13707:2004 +A2:2009

Essential characteristics	Performance	Units
Visible defects	Pass	-
Roll Length	10.0	m
Width	1.0	m
Straightness	≤ 10	-
Mass per unit area	3.2 ± 10%	kg/m ²
Effective thickness	3.2 ± 0,2	mm
External fire performance	NPD	-
Reaction to fire	Class E	-
Watertightness	≥ 400	kPa
Tensile strength MD	1185 ± 20%	N/50mm
Tensile strength CD	1000 ± 20%	N/50mm
Elongation MD	30 ± 15	%
Elongation CD	30 ± 15	%
Resistance to root penetration	NPD	-
Resistance to static loading	≥ 20	kg
Resistance to impact	≥ 1250	mm
Resistance to tearing (nail shank)	≥ 400	N
Peel resistance of joint	≥ 80	N/50mm
Shear resistance of joint	≥ 800	N/50mm
Flexibility at low temperature	≤ -30	°C
Artificial ageing by long term exposure to elevated temperature EN 1296: flow resistance at elevated temperature	≥ 150	°C
Artificial ageing by long term exposure to the combination of UV radiation, elevated temperature and water	Pass	Grade 0
Dangerous substances	Complies	-
Artificial ageing by long term exposure to elevated temperature EN 1296: Flexibility at low temperature	≤ -30	°C
Flow resistance at elevated temperature	≥ 150	°C
Dimensional stability	≤ 0.1	%
Adhesion of Granules	Not applicable	%
Water vapour resistance	50.000 +/- 30%	-

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

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