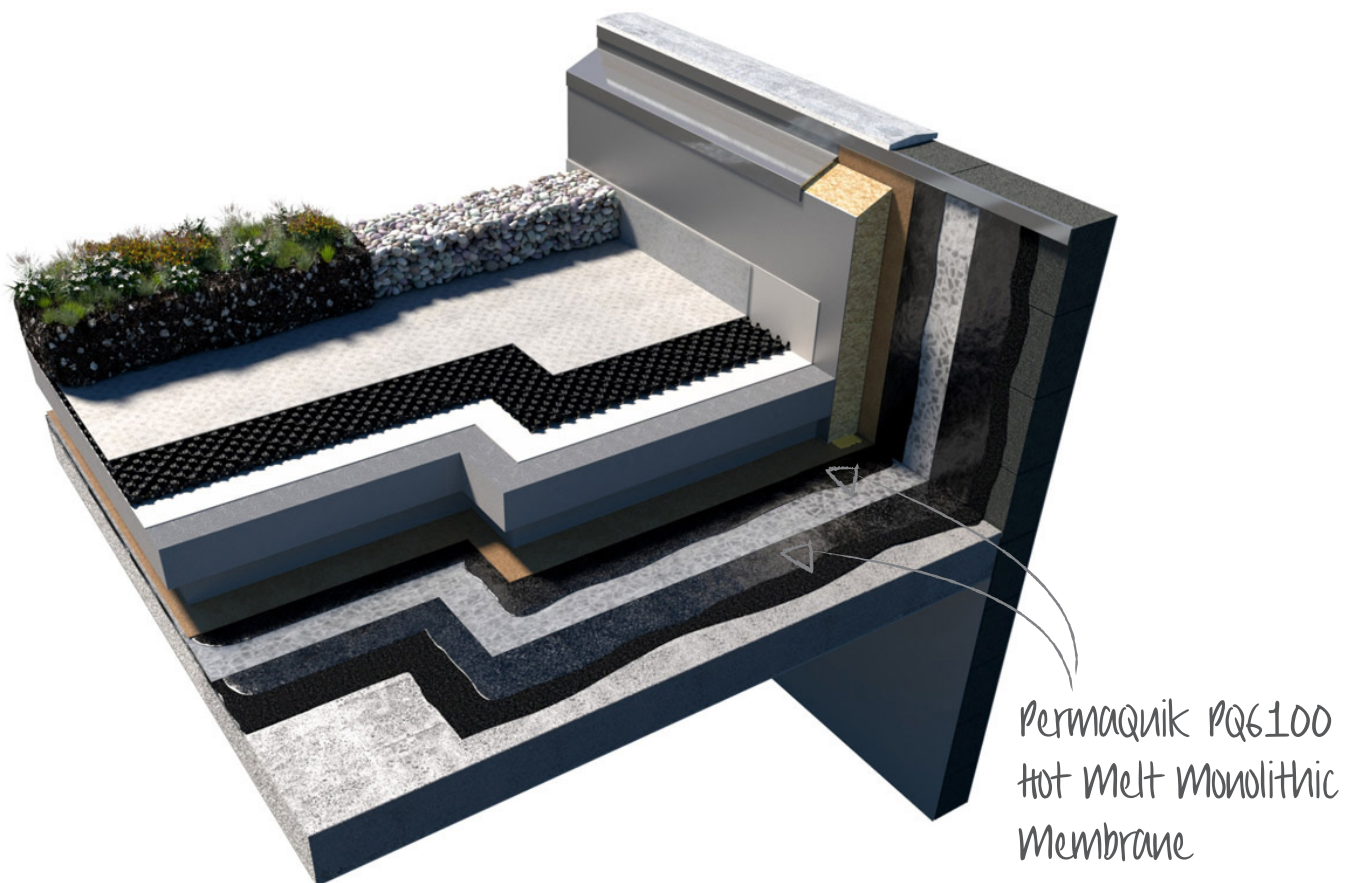


# PermaQuik PQ6100

## Product Data Sheet



# PermaQuik

## PQ6100 Hot Melt Monolithic Membrane

---

### General Information

**PermaQuik PQ6100** is a hot melt monolithic membrane consisting of a blend of synthetic rubber and natural rubber in a specially selected compatible bitumen.

The unique blend of PermaQuik PQ6100 produces a product that gives excellent waterproofing performance with toughness, flexibility and adhesion over a very wide temperatures beyond conventional bitumens and asphalts.

When combined with other components in the Radmat range Permaquik PQ6100 provides various options for waterproofing systems.

For a comprehensive NBS J31 specification contact Radmat Building Products.

### Certificates

BBA Certification No. 97/3336

### Durability

Under normal service conditions and when fully protected, the system will provide a durable roof waterproofing for the design life of the roof in which it is incorporated (BBA Certificate No. 97/3336).

### Use

Satisfactory for use on flat, limited or pedestrian access roofs as:

- a waterproofing layer in an inverted roof specification
- a waterproofing layer protected by pavers or other suitable protection
- a waterproofing layer on a roof with a zero fall slope
- a waterproofing layer in an intensive roof garden, extensive green roof or a biodiverse specification

### Weathertightness

The membrane will resist the passage of water to the inside of the building (BBA Certificate No. 97/3336).

### Properties in relation to fire

The system will enable a roof to be unrestricted under Building Regulations (BBA Certificate No. 97/3336).

### Resistance to wind uplift

The system will resist the effects of any likely wind suction acting on the roof (BBA Certificate No. 97/3336).

### Resistance to foot traffic

The system will accept, without damage, the limited foot traffic and loads associated with installation and maintenance and the effects of thermal or other minor movement likely to occur in practice (BBA Certificate No. 97/3336).

### Resistance to penetration of roots

The system will resist the penetration of roots (BBA Certificate No. 97/3336).

### End of life/recycling

Bitumen based products are recyclable at end-of-life and can be incorporated back into new asphalt and/or other products. Using recycled products in asphalt production processes reduces the use of fresh bitumen, thus supporting the circular economy and reducing carbon emissions. Hence, prior to dismantling or removing the PermaQuik product, please contact your local asphalt producers to discuss the available options for recycling. Wider industry take-back/recycling schemes are also under consideration.

# PermaQuik

## PQ6100 Hot Melt Monolithic Membrane

---

### Installation Instructions

Cakes of PermaQuik PQ6100 are heated in an insulated and oscillating bitumen roofing kettle (heater) fitted with thermometers to measure the melt and oil temperatures. The nominal temperature range for the molten PermaQuik PQ6100 is 190°C to 205°C. The temperature of the melt should not exceed 215°C.

PermaQuik PQ6100 melt is discharged from the heater into a suitable container and applied to the roof using long-handled, rubber-bladed squeegees or by brush on small areas, the first coat of PermaQuik PQ6100 should have a minimum thickness of 3 mm.

PQ 2017 polyester reinforcement layer should be embedded by lightly brushing it into the first layer of PermaQuik PQ6100 whilst it is still warm and tacky. The reinforcement overlaps should be at least 75 mm.

A second layer of PermaQuik PQ6100 is applied over the PQ2017 reinforcement to a minimum thickness of 3 mm.

PermaQuik PQ6100 must be protected immediately with the specified protection layer, in accordance with the Certificate holder's instructions, prior to applying ballast, paving slabs or green roof finish.

At parapet walls, outlets and blockwork PermaQuik PQ6100 should be reinforced with a strip of PQ2060/PQ2061 incorporated into PermaQuik PQ6100.

When used over construction/bridging joints, PermaQuik PQ6100 should be reinforced with PQ2060/PQ2063.

Installation to be according to guidelines and specifications supplied by Radmat Building Products Ltd.

### Delivery Conditions

#### Delivery form

PermaQuik PQ6100 is supplied in 16kg cakes wrapped in meltable film packaged 48 cakes per pallet.

#### Storage and transport

PermaQuik PQ6100 must be stored and transported on a dry and flat level surface, away from exposure to the sun.

#### Product identification

Information on the roll:

Product name.

Dimensions.

Approvals

Production date.



# PermaQuik

## PQ6100 Hot Melt Monolithic Membrane

### PRODUCT DESCRIPTION

Appearance	Black
------------	-------

### DECLARED PERFORMANCE

Essential characteristics	Performance	Units	Test Method
Fines content	46.3	%	MOAT 31 : 6F
Oil loss	0.02	%	-
Density	1.33	gcm <sup>-3</sup>	ISO 1183 : 1987
Moisture absorption	0	%	BS 2782 : Part 4 : 430A : 1983
Ring and ball softening point: unaged	110	°C	BS 2000 : Part 58 : 1993
heat aged 56 days at 70 °C	102	°C	BS 2000 : Part 58 : 1993
heat aged 180 days at 70 °C	92	°C	BS 2000 : Part 58 : 1993
Resistance to imposed load at termination of test:			
5Kg	0.90 after 102 hrs	mm	ad hoc <sup>(1)</sup>
10Kg	1.56mm after 143 hrs	mm	ad hoc <sup>(1)</sup>
20Kg	3.67mm after 457 hrs	mm	ad hoc <sup>(1)</sup>

<sup>(1)</sup> Samples 6 mm thick on 300 mm by 300 mm concrete slabs. Loads of 5 kg 10 kg and 20 kg were applied to 150 mm by 150 mm steel plates placed on the samples at 23oC, and indentation with time was recorded.

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)

**MAR 24**



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