

IKO Permateg LI & Permateg LI Anti Root

Technical Data Sheet – Section 17.00

PRODUCT INFORMATION

Permateg LI Hot Melt Monolithic Waterproofing Systems comprise of Permateg LI and Permateg LI Anti Root hot melt waterproofing compounds, which are specially formulated combinations of refined bitumen, synthetic rubbers, fillers and other additives. They are hot applied in conjunction with carefully selected reinforcement/detailing fabrics and protection layers to give the ultimate waterproofing performance.

Permateg LI offers an environmentally conscious option with a third party verified GWP reduction in embodied carbon of up to 50% when compared to previous Permateg compounds

Installed by a nationwide network of Registered/Approved contractors, Permateg LI and LI Anti Root provides a fully bonded, tough, flexible, waterproof membrane for use on Inverted, Green, Bio-diverse, Blue, flat (including zero fall protected roofs). Permateg LI is also suitable for use as a dampproof membrane in solid concrete floors or as the waterproofing layer in a typical sandwich membrane used for above or below ground waterproofing in concrete, brick or blockwork structures.

NB: Permateg LI Anti Root is specifically designed for use in extensive and intensive green and biodiverse roof systems.

The product must be applied by an IKO Approved Installer.

COMPOSITION

Product Code: Permateg LI - 24120080
Block weight: 12kg
Pallet size: 80 Blocks - 960kg

Permateg LI Anti Root - 24126080



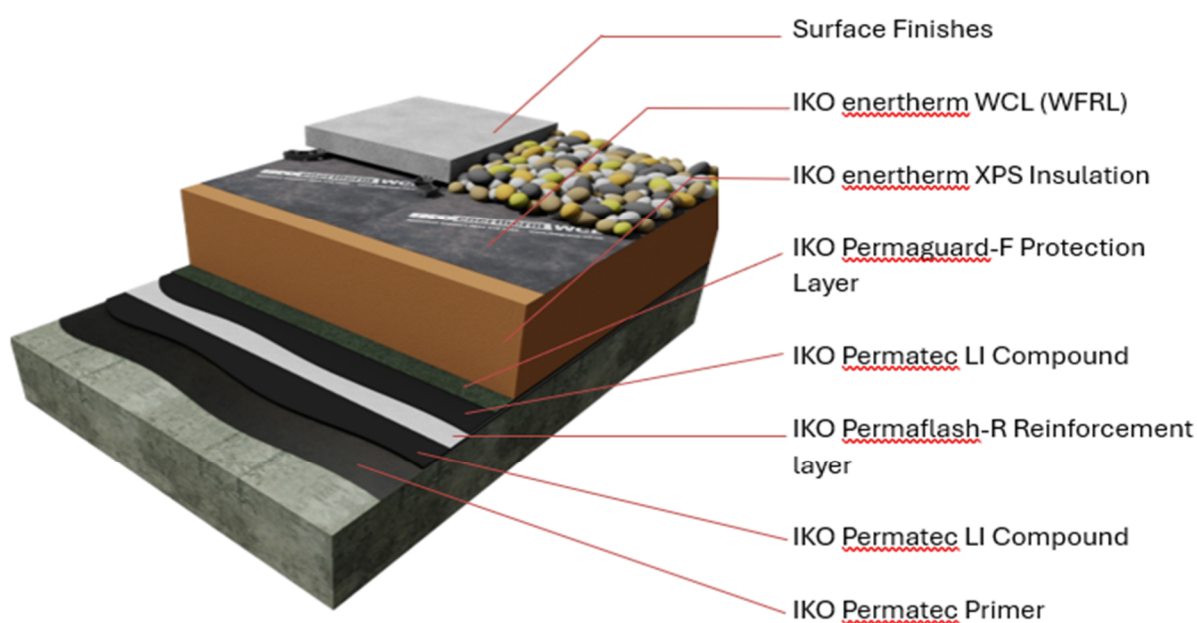
System Components

Ancillary Product	Description	Size/Width	Coverage/Length
IKO Permateg Polymer Primer 	IKO Permateg Polymer Primer is synthetic rubber based primer for use on concrete and other similar substrates prior to the installation of IKO Permateg LI Hot Melt Waterproofing Systems. Product Code: 24602500	25L Tin	4m ² /L

IKO Permateg High Penetration Primer 	IKO Permateg High Penetration Primer is bituminous primer for use on concrete and other cementitious substrates prior to the installation of IKO Permateg LI Hot Melt Waterproofing System Product Code: 24600025	25L Tin	6-8m²/L
IKO Permaflash-D150/500 	A nominal 1.25mm thick flexible bitumen EPDM polymer detailing sheet, which is installed fully bonded as a reinforcement layer over cracks, construction joints, changes in materials and where minor movement may occur. Product Code: D150 - 24150000 D500 - 24500000	150mm/500mm	20m
IKO Permaflash-R 	A 55g/ m² polyester non-woven, thermally bonded reinforcement layer, installed between the two applications of all Permateg LI and Permateg LI Anti- Root waterproofing. Product Code: 24991000	1m	200m

IKO Permaguard-F 	A sand surfaced 180g/m² polyester based bitumen membrane, installed as a protection layer in standard Permateg LI and Permateg LI Anti Root systems. Product Code: 24010000	1m	20m
IKO Permaguard-M TO 	A high-performance torch applied SBS modified bitumen membrane with a 270g/m² polyester fibre carrier. It has a black mineral finish on the upper surface and thermos-fusible film on the underside. It is installed as a protection layer to Permateg LI and Permateg LI Anti Root on exposed details, or as an access protection layer in protected inverted build-ups. Product Code: 24030008	1m	8m

TYPICAL SYSTEM BUILD-UP



INSTALLATION

The Permateg LI Hot-Applied Monolithic Roofing System must be installed in accordance with the IKO System Installation Guidelines on a dry and frost-free substrate. After rain or snow, the substrate must be allowed to dry before installation can commence. The installer can aid drying by any suitable means approved by the certificate holder, providing the procedure can be carried out safely and in accordance with NFRC Safe2Torch guidelines. Once applied, the membrane is not affected by rain, snow or frost. To assess the suitability of an in-situ concrete substrate, bond tests must be carried out to ensure that adequate adhesion can be achieved. If bonding problems occur, advice must be sought from the IKO. Prior to the application of the Permateg LI membrane, any defects in the substrate must be identified and repaired in accordance with IKO's instructions. Cementitious substrates must be conditioned with IKO Permateg High Penetration Primer or IKO Permateg Polymer Primer and allowed to dry before application of the membrane. The installed Permateg LI membrane must be covered by a protective layer immediately after installation, Detailing must be formed in accordance with the IKO instructions.

PRODUCT ACCREDITATIONS

IKO Permateg LI and IKO Permateg LI Anti Root carry BBA Agrément Certificates 03/4009 Product sheets 4 & 5, third-party verified EPD and is UK Conformity Assessed. Copies of the relevant certification may be downloaded from the IKO website <https://ikogroup.co.uk/resource-centre/>



DURABILITY

A Permateg LI Hot Melt Monolithic Roof, properly designed and maintained, can be expected to provide many years of trouble-free service. The BBA certificate states; Under normal service conditions, the system will have a life of at least equivalent to the structure in which it is incorporated, provided it is designed, installed and maintained in accordance with this Certificate and the Certificate holder's instructions

OTHER RELEVANT DOCUMENTATION

Where applicable, Material Safety Data Sheets (MSDS), Declaration of Performances (DoPs), and Third-Party Accreditations are available to view and download from the IKO website Resource Centre:
<https://ikogroup.co.uk/resource-centre/>

PRODUCT SUPPORT

Should you have any queries in relation to this product please contact one of the relevant teams below:

Technical	technical.ab@iko.com
	- For Reinforced Bitumen Membranes, IKOpro and Flexia Liquid Applied Waterproofing, Pitched Roofing, IKO Hyload Structural Waterproofing
	technical.ma@iko.com
	- For Mastic Asphalt
	technical.cc@iko.com
	- For Polymeric Single Ply and Permateg Hot Melt
Sales	sales.uk@iko.com
Marketing	getintouch.uk@iko.com

COMPANY ACCREDITATIONS

IKO PLC, a roofing, waterproofing, and insulation company, holds various accreditations that demonstrate its commitment to quality, safety, and environmental responsibility. These include ISO certifications for quality management and occupational health and safety, British Board of Agrément (BBA) accreditations for specific products and systems, and Factory Mutual (FM) approval for certain roofing systems.

All our manufacturing plants have BS EN ISO 9001, BS EN ISO 14001, BS EN ISO 45001, and BES 6001 accreditation, meaning we match the quality and sustainability requirements and use responsibly sourced raw materials in our production. We also re-use by-products from manufacture, wrap products in minimal packaging, and we employ a streamlined transportation network.



IKO are also leading members of all the relevant trade associations such as NFRC, BFRA, SPRA, LRWA and MAC, and have our technical experts within the technical committees that helps us get informed first-hand about the recent updates on the technical requirements for the design and installation of roofing and waterproofing products.



DISCLAIMER

Whilst every precaution is taken to ensure that the information given in this literature is correct and up-to-date it is not intended to form part of any contract or give rise to any collateral liability, which is hereby specifically excluded.

IKO reserves the right to amend and/or withdraw this document without notice.

Intending purchasers of our materials should therefore verify with the company whether any changes in our specification, application details, withdrawals or otherwise have taken place since this literature was published.