IKO Permascreed LI

Technical Data Sheet – Section 18.70

DESCRIPTION

IKO Permascreed LI is an innovative lower embodied carbon screeding solution for Flat Roofs, Zero Fall Roofs, Walkways, Terraces & Podiums.



IKO Permascreed LI is manufactured from selected bitumens, limestone filler and specially graded aggregates. It can be installed to create drainage falls, level out uneven substrates, and provide a stable base for the specified roof/deck waterproofing system.

Suitable for new build and refurbishment projects, IKO Permascreed LI provides a quick alternative to traditional concrete and sand and cement screeds. It is impervious to water, can be installed all year round and will accommodate foot traffic once cooled (Typically 1-2 Hours).

USE

IKO Permascreed LI is supplied directly to site in purpose built hot charge transporters capable of holding up to 18 tonnes of material. Alternatively, IKO Permascreed LI is available in nominal 20 kg blocks for re-melting on site.

IKO Permascreed LI should be installed by operatives experienced in the techniques of laying mastic asphalt or have attended an IKO Permascreed Product Awareness Session.

OPTIONS

Option Type	Product Code	Description
Block (20kg)	44200002	Permascreed LI Block
Hot Charge	54200002	Permascreed LI Hot Charge

PRODUCT ACCREDITATIONS

IKO Permascreed LI complies with BS EN 13108-6 and carries a Declaration of Performance Certificate.

IKO PLC is a company registered in England with company no. 2678296

MATERIAL COVERAGE

For estimation of coverage and load calculation purposes the mass can be taken to be 2.3kg/m^2 per mm of thickness.

Table of Weights (approximate)

Nominal Thickness	kg/m^2	m^2 per Tonne
10mm	23	43
15mm	35	28
20mm	46	21
25mm	58	17
30mm	70	14
40mm	92	11
50mm	116	8
60mm	140	7

INSTALLATION GUIDLINES

Decks to receive IKO Permascreed LI must be capable of supporting all static and imposed loads without undue deflection. Drainage should be designed in accordance with the requirements of BS EN 12056-3.

Drainage Falls:

- For standard flat roof types, a minimum 1:80 finished fall should be achieved in both the general area and any internal gutters.
- Where the roof type has been designed and tested for zero finished falls (0-1:80), such as inverted warm roofs or roofs with multi-functional finishes, no backfalls should be present where ponding could occur.
- The recommendations of BS6229:2025 Flat roofs with continuously supported flexible waterproof coverings - Code of practice should be followed.
- When creating drainage falls, tapered gauges, string lines or laser lines should be used to achieve the required drainage falls. Where necessary, IKO Permascreed LI can be applied in multiple layers to achieve the required depth and fall.

IKO Permascreed LI should be laid directly to the concrete/ sand & cement screed substrate wherever possible. This is particularly important when the levelling out an uneven substrate. The substrate needs to be swept clean and dry prior to installing IKO Permascreed LI. Priming of the substrate is not necessary.

During the initial application of the hot IKO Permascreed LI, the heat causes moisture/ air in the substrate to expand rapidly. This often causes the formation of small “sinkers” in the finished surface as the vapour forces its way up through the Permascreed LI. However, this will not have any detrimental effect on the performance of Permascreed LI or its suitability as a substrate to receive the waterproofing system. However, if excessive blowing occurs, then an IKO Glass Fibre Tissue (GFT) separating layer should be introduced beneath the IKO Permascreed LI.

Where Permascreed LI is used as an Air & Vapour Control Layer (AVCL) with a warm flat roof build-up - Minimum 12mm thick layer on IKO Glass Fibre Tissue separating membrane.

Where Permascreed LI is used over timber/plywood decks, a separating layer of IKO Black Sheathing Felt will be required.

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OTHER RELEVENT 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 Permatec 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, BES 6001, and PAS 2080 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.

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