

IKO Permascreed LI

Technical Data Sheet

PRODUCT INFORMATION

IKO Permascreed LI is an innovative lower embodied carbon screeding solution for flat roofs, zero fall roofs, walkways, terraces and 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.

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 20kg blocks for re-melting on site

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

	Product Code
Hot charge	54200002
Block	44200002

PRODUCT ACCREDITATIONS

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

FEATURES & BENEFITS

- Reduced embodied carbon - independently certified EPD.
- Rapid installation – open to foot traffic once cooled (typically 1-2 hours).
- Impervious to water – can help provide a temporary waterproofing solution.
- Unaffected by the weather - it can be installed all year round.
- Wide thickness range – typically 10 - 40mm in a single layer. Can be installed in multiple layers as necessary to achieve the desired drainage falls or surface level.
- Reduced thickness and weight compared to traditional concrete and sand and cement screeds.
- Suitable for use 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.

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APPLICATION GUIDELINES

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

All flat roof surfaces (including gutter beds) should be designed with a fall of 1:40 to ensure finished drainage falls of 1:80 are achieved. This should take account of construction tolerances, permitted deviations, deflection under load, and, unless justified by more detailed structural analysis, to account for deflections/settlement. Where two falls intersect, a minimum finished fall of 1:80 along the mitre should be recommended.

Certain third-party certified waterproofing and insulating systems are approved for use with zero falls but back falls are not acceptable and should be corrected. In order to ensure a finished surface with a zero fall, a design fall of 1:80 should be used and a detailed structural analysis should account for construction tolerances, settlement and for deflection under load. To prevent ponding around rainwater outlets, these should be recessed or fitted in sumps, where practical.

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.

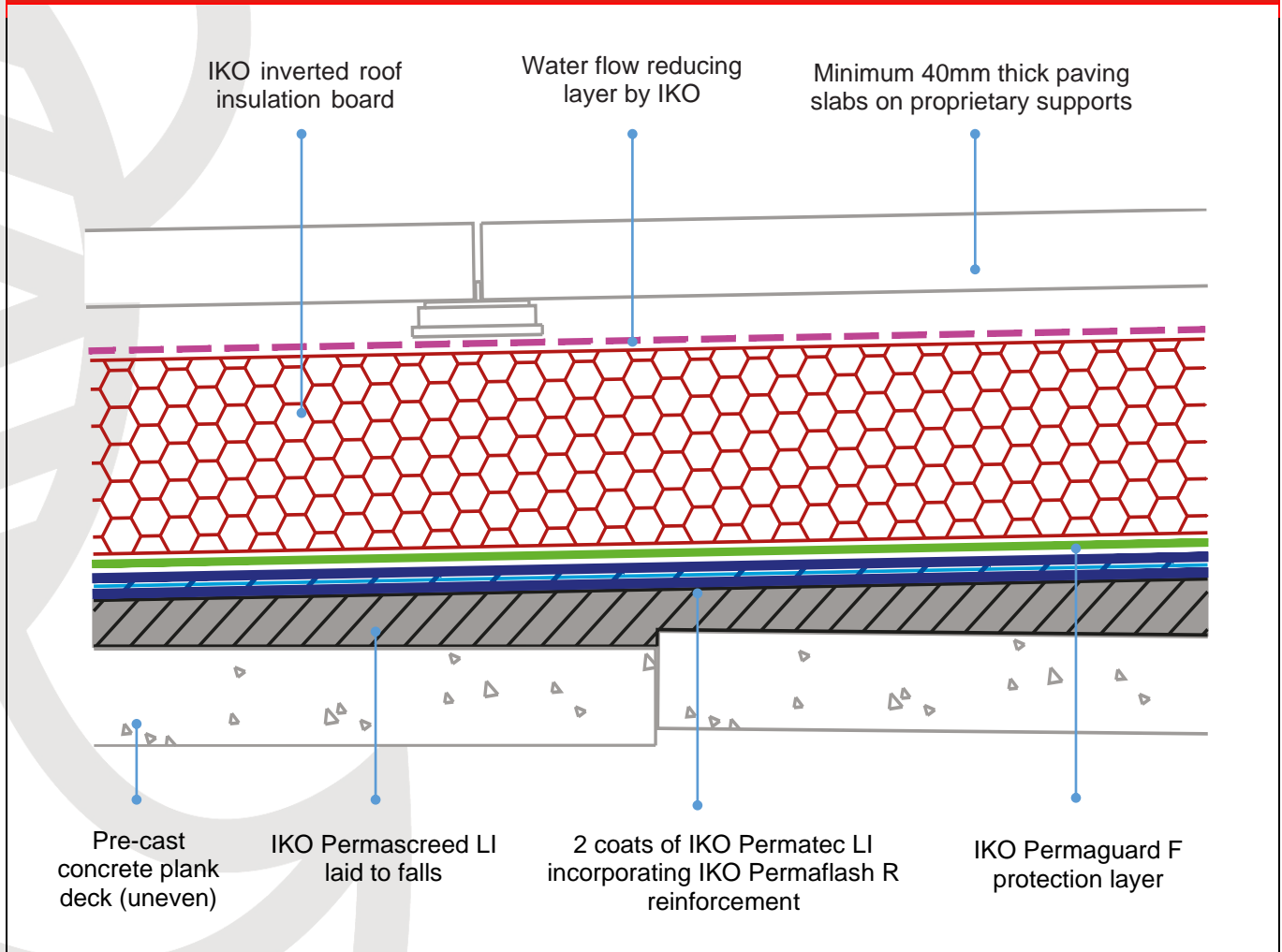
IKO Permascreed LI should be laid directly to the concrete and sand and cement screed substrate wherever possible. This is particularly important when levelling out an uneven substrate. The substrate needs to be swept clean and dry prior to installing **IKO Permascreed LI**. Priming of the substrate 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 **IKO Permascreed LI**. However, this will not have any detrimental effect on the performance of **IKO Permascreed LI** or its suitability as a substrate to receive the waterproofing system.

If excessive blowing occurs, then a **IKO Glass Fibre Tissue (GFT)** separating layer should be introduced beneath the **IKO Permascreed LI**.

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

TYPICAL BUILD-UP – UNEVEN CONCRETE DECK



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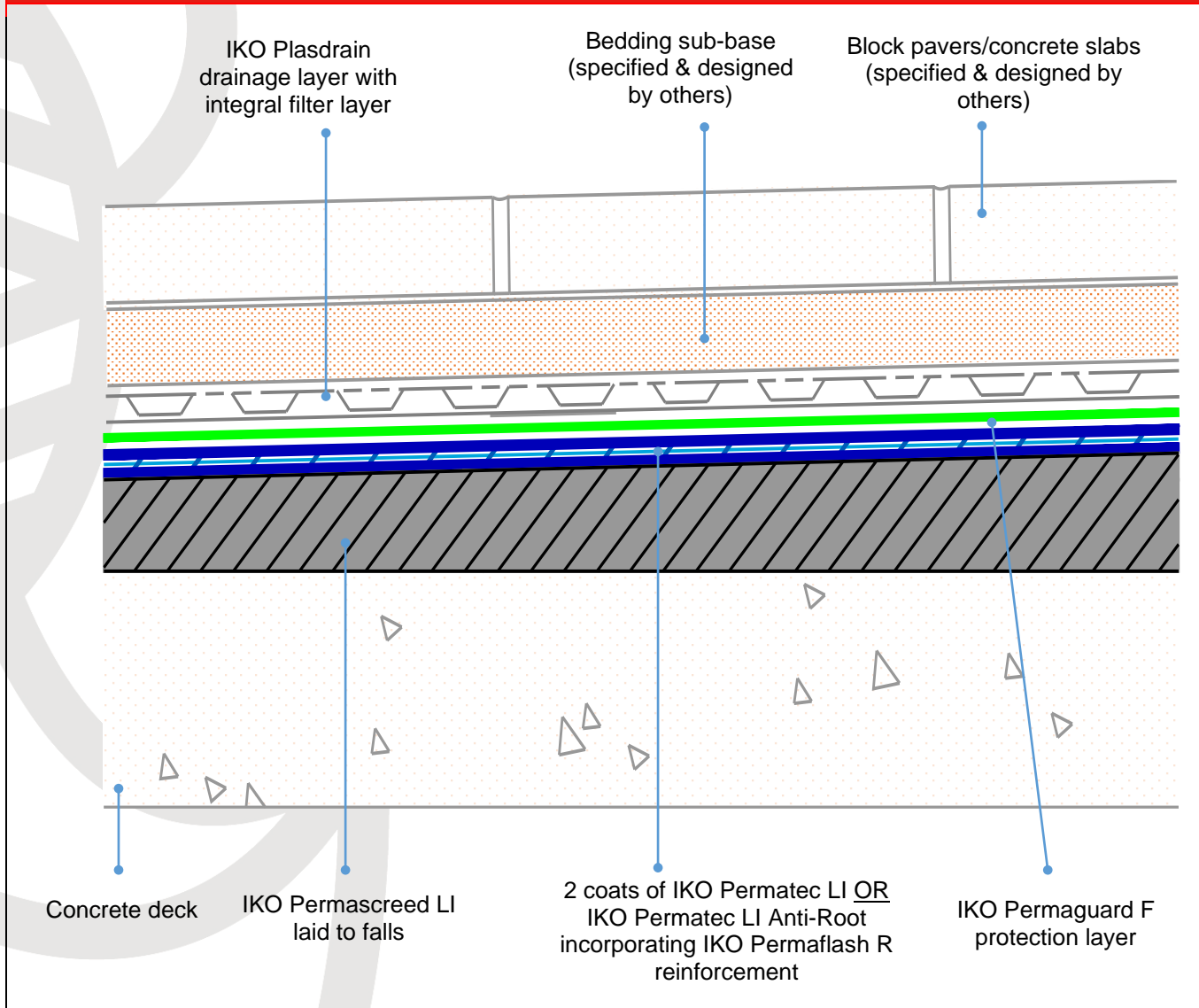
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TYPICAL BUILD-UP – UNINSULATED PODIUM



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HEALTH & SAFETY

Product Safety Data Sheets are available upon request by contacting IKO PLC.

TECHNICAL SUPPORT

Advice is available from IKO Technical Services:
Telephone: 01257 255771 Ext 5593
Email: technical.ma@iko.com

ACCREDITATIONS



DISCLAIMER

While 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 reserve 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 issued.

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