IKO Permascreed H

Technical Data Sheet – Section 18.70

DESCRIPTION

IKO Permascreed H is screeding solution for Flat Roofs, Zero Fall Roofs, Walkways, Terraces, Podiums, Car Parks and HGV Service Decks.



IKO Permascreed H 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 and surfacing system.

Suitable for new build and refurbishment projects, IKO Permascreed H provides a quick alternative to traditional concrete and sand and cement screeds.

USE

IKO Permascreed H is supplied directly to site in purpose built hot charge transporters capable of holding up to 18 tonnes of material. Alternatively, IKO Permascreed H is available in nominal 20 kg blocks for re-melting on site. NB: IKO Permascreed H blocks will require the site addition of 35 - 45% 6mm or 10mm size coarse aggregate prior to installation.

IKO Permascreed H 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)	44210000	Permascreed H Block
Hot Charge	54210000	Permascreed H 40/10 Hot Charge
	54213506	Permascreed H 35/6 Hot Charge

PRODUCT ACCREDITATIONS

IKO Permascreed H 35/6 and 40/10 comply with BS EN 13108-6 and carry a Declaration of Performance Certificate.

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MATERIAL COVERAGE

For estimation of coverage and load calculation purposes the mass can be taken to be 2.4kg/m^2 per mm of thickness.

Table of Weights (approximate)

Nominal Thickness	Kg/m^2	m^2 per Tonne
10mm	24	42
15mm	36	28
20mm	48	21
25mm	60	17
30mm	72	14
40mm	96	10
50mm	120	8
60mm	144	7

INSTALLATION GUIDELINES

Decks to receive IKO Permascreed H 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.
- For vehicle deck applications a minimum finished fall 1:60 is recommended.
- 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 H can be applied in multiple layers to achieve the required depth and fall.

IKO Permascreed H 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 H. Priming of the substrate is not necessary.

During the initial application of the hot IKO Permascreed H, 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 H. However, this will not have any detrimental effect on the performance of Permascreed H 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 H.

Where Permascreed H 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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