

IKO Ultra H-A Underlays

Technical Data Sheet – Section 5.20

PRODUCT INFORMATION

IKO Ultra H-A Underlays are self-adhesive, polyester reinforced bitumen membranes used as underlays within a built-up roofing system. The membranes are coated on both sides with self-adhesive bitumen SBS elastomeric coating. They have a fine mineral upper surface with a 75mm release film selvedge to facilitate rapid installation of lap joints.

IKO Ultra H-A Underlay

The underside has a self-adhesive bitumen coating that provides a 40% partial bond allowing vapour dispersion between the membrane and substrate. The underside of the IKO Ultra H-A underlay has a 75mm selvedge that facilitates a rapid installation of the lap joints. The self-adhesive coating is protected by a release film.

IKO Ultra H-A Detailing Underlay

The underside has a self-adhesive bitumen coating for fully bonded and all waterproofing detailing applications. The self-adhesive coating is protected by a release film.



Product	Surface	Product Code
Underlay	Fine Mineral	62720000
Detailing Underlay	Fine Mineral	62710000

USE

For use as reinforced bitumen underlay within in a built-up roofing specification system, in both new build and refurbishment projects.

IKO Ultra H-A Underlays must be used in conjunction with IKO Ultra torch-applied or IKO Ultra PU adhered cap sheets in accordance with an IKO Specification.

As this product is utilised within an Approved Contractor network and guided by an IKO Specification document, where omission or differing information exists the IKO Specification document will take precedence.

IKO Ultra H-A Underlay

For use as a partially bonded underlay within a built-up roofing specification system. It is to be used only for main flat roof areas and roof pitches up to 5° if reliant on adhesion alone. For roof pitches over 5° this underlay should also be mechanically fastened in accordance with BS8217 table 5 or the IKO specification document.



Figure 1 - partial bond profile

The unique self-adhesive profile (see Figure 1) allows for a partial bond to be achieved to the substrate therefore reducing the risk of blistering from any trapped vapour.

It has a 75mm selvedge lap with protective release film to the upper surface and a 75mm wide selvedge lap to the corresponding underside to facilitate rapid sealing of the side laps (see Figure 2).

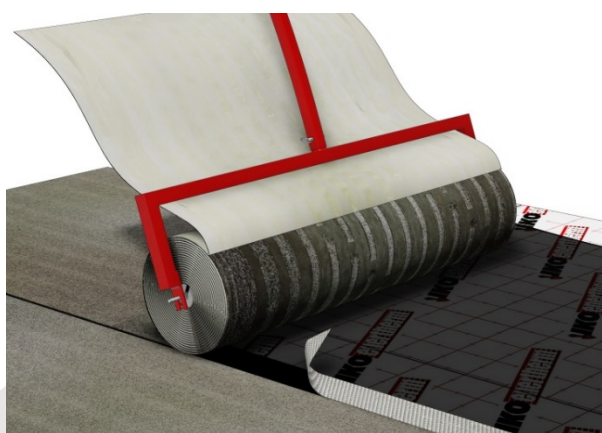


Figure 2 – application of IKO Ultra H-A Underlay

IKO Ultra H-A Detailing Underlay

For use as a fully bonded detailing underlay within a built-up roofing specification system (See Figure 3).

It is to be used for all associated detailing, abutments, internal gutters and penetrations as part of a two-layer built up roofing application. All detailing works must be undertaken in accordance with the IKO detail drawings and IKO specification document.

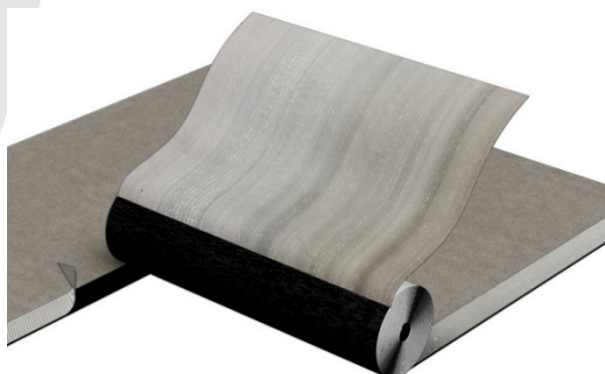


Figure 3 - IKO Ultra H-A Detailing Underlay

INDEPENDENT ACCREDITATION



2797-CPR-537586



0086-CPR-745786

The product carries a Declaration of Performance Certificate and is UK Conformity Assessed.

COMPOSITION

Bitumen Modification:	SBS
Carrier:	Polyester (175gsm)
Form:	Roll
Colour:	Fine Grey Granule
Length:	16m
Width:	1m
Mass/Weight:	2.25kg/m ²
Roll Weight:	36kg
Surface Finishes:	(upper) Mineral (lower) Release film
Selvage:	(upper) 75mm

INSTALLATION

Membrane Bond:	Self-adhesive
Lap Bond:	Self-adhesive

APPLICATION

Preparation

All work must be undertaken in accordance with the requirements of the specific information provided within the IKO Specification document.

All surfaces must be clean, dry and free from grease, oil, dirt and loose material and structurally sound.

All areas to which the waterproofing system is to be bonded must be prepared and primed accordingly. Uneven surfaces may require suitable preparation to the surface prior to the application of the waterproofing.

Adhesion testing

Undertake an adhesion test to establish that a satisfactory bond can be obtained using the self-adhesive membrane to the primed substrate.

Priming

Prime the substrate with IKO Bonding Agent or IKOpro Sprayfast MPP; coverage rate per m² as per the project specification and allow to dry thoroughly before application of the membrane.

Only prime areas to be covered by the membrane within a normal working day; where primer is exposed for longer than 4 hours then the surface must be suitably cleaned and the primer reapplied.

Installation

Installation of the IKO Ultra H-A Underlays must be undertaken in accordance with the IKO H-A guidance document, an IKO specification document, BS6229 and BS8217 and by operatives familiar with the application techniques required for these products.

To all main field areas, Install the IKO Ultra H-A Underlay with 75mm side and 100mm end laps, by removing the release film and firmly pressure rolling using a roll bar to remove any entrapped air pockets, the surface to achieve a good bond across the full width of the membrane. Ensure that the membrane is accurately aligned, including overlaps, before removing the release film, and that it does not move as the film is removed.

Where any side or end lap joints are left exposed during the progress of the works, these must be sealed by hot air welding to facilitate a visible bead of bitumen from all laps joints.

NOTE: the bond and adhesion of the IKO Ultra H-A membranes are not fully achieved until the torch applied cap sheet has been installed. So, consideration on sequencing of the works is highly critical.

It is a requirement that primed substrates left exposed overnight must be re-primed with the IKOpro Sprayfast MPP or IKOpro Bonding Agent prior to recommencement of IKO Ultra H-A Underlay application.

Waterproofing detailing

The IKO Ultra H-A Detailing Underlay is to be used and dressed to all waterproofing detailing areas, such as upstands, internal gutters and abutments, prior to the application of an IKO torch applied cap sheet.

The IKO Ultra H-A Detailing Underlay must be dressed and detailed at abutments to allow for linking to the IKO Ultra Air and Vapour Control Layer by 50mm minimum.

All waterproofing detailing areas and where specified, the IKO Ultra H-A Detailing Underlay is to be fully bonded throughout the prepared and primed details.

The membrane should set out (with laps staggered) and pre-creased through the detail prior to removing the release film.

The membrane must be pressure rolled to remove any air bubble or trapped air and to ensure a full bond can be achieved.

Where any side or end lap joints are left exposed during the progress of the works, these must be sealed by hot air welding to facilitate a visible bead of bitumen from all laps joints.

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 Single Ply and Permasec 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 is also a leading member of all relevant trade associations such as NFRC, BFRA, SPRA, LRWA, MAC, RSTA, BJA and LCRIG having technical experts within the technical and standards committees to help us get informed first-hand about recent updates on technical requirements for the design and installation of roofing, waterproofing, road and bridge maintenance industry 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.