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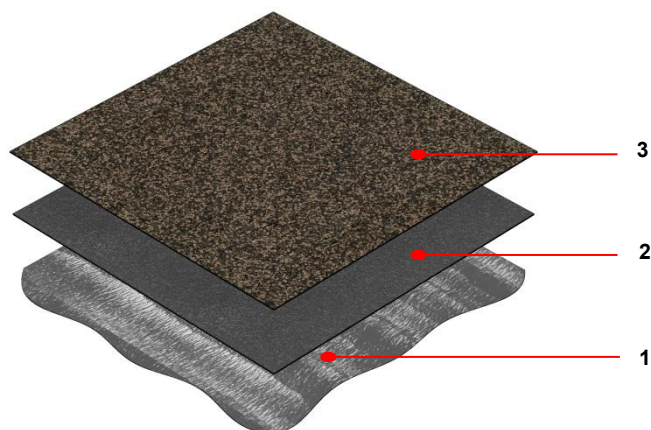
IKO EASYSEAL PRO UNINSULATED – COLD APPLIED SYSTEM

20 Year

SYSTEM INFORMATION

The IKO Easyseal Pro system is a cold applied built-up flat roof solution offering the specifier and client a premium flat roofing solution for new build and refurbishment projects.

This configuration is specific to an uninsulated or cold flat roof solution onto new plywood or OSB/3 deck.



USE

The IKO Easyseal Pro cold applied roof system has been developed with the roofing professional in mind, incorporating a range of high performance SBS modified waterproofing membranes to provide a robust built up roofing system that can be installed without the need of gas torches or the use of bitumen boilers.

CONTRACTOR

The IKO Easyseal Pro Built up roofing system is to be installed by an IKO Roofmaster contractor and one familiar with the application requirements of a built up roofing system.

GUARANTEE

As part of IKO's Roofmaster contractor network, this system may benefit from a 20 year materials and workmanship guarantee, subject to being installed in accordance with this document.

SUMMARY OF SYSTEM COMPONENTS

1. IKOpro Easyseal Bonding Agent

Fast-drying rubber modified bituminous priming solution designed to prepare substrates for the application of self-adhesive (S-A) bitumen waterproofing membranes.

Pack size: 5L

Typical Coverage: 3-5 m²/litre*

Product Code: 2350005

*Dependent on substrate and porosity.

2. IKO Easyseal S-A Underlay

High performance, self-adhesive SBS modified polyester reinforced bitumen membrane. 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 Easyseal S-A underlay has a 75mm selvedge that facilitates a rapid installation of the lap joints

Roll size: 8m x 1m

Roll weight: 18 kg

Surfacing: film

Product Code: 73170008

3. IKO Easyseal Pro Cap Sheet

High performance polyester based SBS modified bitumen self-adhesive cap sheet with hot air welded laps, which incorporates a fire retardant coating.

Roll size: 8m x 1m

Roll weight: 30kg

Product Codes: Black - 73000008

4. IKO Easyseal S-A fully bonded Underlay

High performance, self-adhesive SBS modified polyester reinforced bitumen membrane. The underside has a self-adhesive bitumen coating for fully bonded and all waterproofing detailing applications

Roll size: 8m x 1m

Roll weight: 18 kg

Surfacing: film

Product Code: 73070008

GENERAL GUIDANCE

This waterproofing system should be installed in accordance with relevant British Standards and Approved Codes of practice to provide a secure, free draining and weathertight roof.

In particular it is recommended that reference is made to the relevant parts of:

BS 8217:2005 Code of Practice for Reinforced Bitumen Membranes for roofing;
BS 6229:2018 Code of Practice for Flat Roofs with continuously supported roof coverings;
BS 5250:2011 Code of Practice - Control of Condensation within Buildings.

All construction detailing and specification should conform to UK Building Regulations.

Refurbishment work undertaken on existing flat roofs is likely to be reportable to Local Authority Building Control (LABC) and it is advisable that any proposed works are discussed with the LABC prior to commencement, unless the installing contractor is a member of the Competent Roofer Scheme. www.competentroofer.co.uk. Where required by building warranty providers i.e. NHBC, LABC, etc. installers and those undertaking specifications should seek guidance from Technical Standards as issued by the provider in addition to the above.

All parties are reminded of their obligations under The Construction (Design and Management) Regulations (CDM) 2015. To ensure that those obligations are fully understood and met, IKO would advise consulting HSE guidance 'Managing health and safety in construction – Construction (Design and Management) Regulations 2015 – (L153)' on the legal requirements for CDM 2015.

PRIOR TO COMMENCEMENT

Application must always follow good, safe working practice.

Prior to commencing works, it is advisable to consult Health and Safety Executive Guidance documents such as HSG33 'Health and Safety in Roof Work', irrespective of levels of competence, to ensure all works are being planned and undertaken in a safe, pragmatic manner.

Cold applied and self adhesive membranes should only be applied by those competent, conversant and capable of undertaking roofing works safely and that are experienced in the use of such roofing membrane installations and procedures.

Roofing torches are not required to install this roofing system, as all laps created and sealed using hot air welders and hot air welding techniques. However it should be noted that the same precautions and good practices should be used in close proximity to combustible materials, decorative coatings and heat sensitive materials.

Roofing contractors should be fully conversant with the guidance of the National Federation of Roofing Contractors (NFRC) 'Safe2Torch' campaign.



DECK PREPARATION

Before commencement of the roofing works, the roofing contractor should ensure that the surfaces to receive the new waterproofing system are sound and capable of accepting the imposed loading of the new waterproofing system and its installation.

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

Structural deck substrates should be assessed by a competent roofer or suitably qualified professional to ascertain their suitability in relation to structural strength, falls and drainage provision.

All existing waterproofing and any associated detailing should be fully removed.

If proposed works involve overlaying an existing waterproofing system, the installing contractor or suitably qualified professional must ascertain their suitability in relation to being sound, dry, compatible and fit for purpose to overlay. The existing system must also be free from any historic water ingress and/or the effects of delamination.

STRUCTURAL DECKS

It is essential that the deck is suitably fit for purpose and is structurally adequate in supporting the waterproofing system, and any associated loadings.

For deck selection and determining suitability, the guidance of the relevant Approved Codes of Practice should be sought.

FALLS AND DRAINAGE

To reduce the effect of water ponding on the roof finish, a minimum finished fall of **1:80** should be achieved; however designs should be to 1:40 to take into account any inaccuracies within the deck construction.

Where standing water is evident on the roof, the falls should be addressed accordingly. Evidence of hollows, depressions, deflections, back falls, etc. found in the deck either before or after stripping should be rectified prior to installation.

INSTALLATION GUIDANCE

This section is to be utilised as general guidance only. Installing Contractors should be familiar with the specific guidance given within respective Technical Data Sheets. Where omission or differing information exists the IKO Technical Data Sheet will take precedence.

PRIMER APPLICATION

Application temperatures for all waterproofing components including primers, adhesives and membranes must be +5°C and rising.

The specified primer should be applied to the prepared surface by brush or roller to give a uniform, even coating at the rate prescribed on the respective Technical Data Sheet. Allow primer to dry thoroughly before commencing with membrane installation.

Only prime an area that can be covered with membrane within 4 hours. Where the dry primer is exposed for longer than 4 hours then the surface must be swept clean and the primer reapplied.

INSTALLATION OF SELF-ADHESIVE UNDERLAY

The primed surface must be clean, dry and free from moisture, grease free and fit for purpose.

All receiving surfaces must be pre-primed using the **IKO Easyseal Bonding Agent** and allowed to dry thoroughly, prior to the application of the IKO Easyseal underlay.

Apply the underlay by progressively removing the release film and pressure rolling the underlay to remove any entrapped air.

All side (75mm) and end laps (100mm) must be fully bonded with the use of a hot air welder and pressure rolled to ensure a visible bead of bitumen is exuded from all laps.

The underlay should be finished to allow for linking with the associated **IKO Easyseal S-A fully bonded underlay**, at the base/edge of all details.

INSTALLATION OF EASYSEAL PRO CAP SHEET

IKO Easyseal Pro Cap Sheet must be used in conjunction with the **IKO Easyseal Underlay**, which must be clean, dry and free from any contaminants.

Sheets should be overlapped to form the required 75mm side laps and 100mm end laps. All release films must be removed during the installation process. All side and end laps must be fully bonded and sealed by the use of hot air welding techniques to facilitate a visible bead of bitumen (5-15mm) exuded from all lap joints to demonstrate a good seal has been achieved.

Ends laps must be staggered so that they do not occur in the same position in adjacent sheets.

When setting out the field area, the rolls of material should always be laid in the same direction, never cross bonded.

The cap sheet should be arranged to achieve a staggered bond with the preceding underlayers with half width layers being used to maintain bond patterns where necessary.

UNDERTAKING DETAILING WORK

Detailing must be carried out in accordance with relevant British Standards and Approved Codes of practice, with sills and upstands achieving a minimum height of 150mm above the new waterproofing system.

Detailing works to be undertaken in accordance with the safe2torch guidance document.

Clean, prepare and prime all details to which the waterproofing system is to be bonded prior to commencing application of the waterproofing system.

All waterproofing details are to be formed as part of a two layer application. Utilising both a waterproofing **IKO Easyseal S-A fully bonded underlay** and the **IKO Easyseal Pro cap sheet** as specified.

All waterproofing membranes used for detailing must be fully bonded throughout the detail.

A range of typical detail drawings for the IKO RoofMaster built up roofing range are available which provide guidance on the detailing of the waterproofing layers.

POST COMPLETION

All completed flat roofs should be maintained in accordance with the requirements of BS 6229:2018 - Code of Practice for Flat Roofs with continuously supported roof coverings.

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 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.

IKO products, as specified within the 'Summary of System Components' schedule must be used throughout and installed in accordance with IKO recommendations. Products not specified and approved by IKO will not be covered within any given guarantee statement.