

Flat and Pitched Roofing Guide



Working together to provide effective roofing solutions

With over 100 years' experience, IKO is able to offer a comprehensive range of flat roofing membranes and pitched roof systems, carefully developed to provide the optimum combination of performance and cost for a wide range of applications.

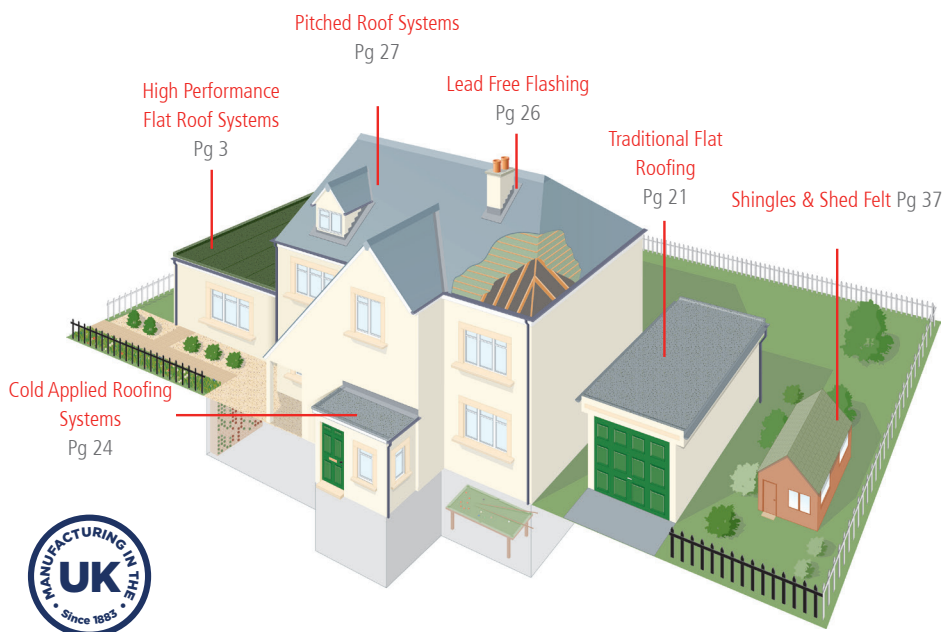
IKO's market leading range is designed to meet the needs of everyone, from the small builder to specialist roofing contractors and offers products whatever the budget, project requirements or operator skill level available for flat and pitched roofing systems.

IKO also supports customers with industry leading technical advice, helping to ensure the best products are chosen and installed.

We offer;

- Top quality products
- Reliable delivery
- Specialist staff and exceptional customer service
- Technical support
- Nationwide availability
- Wide range of roofing and waterproofing solutions

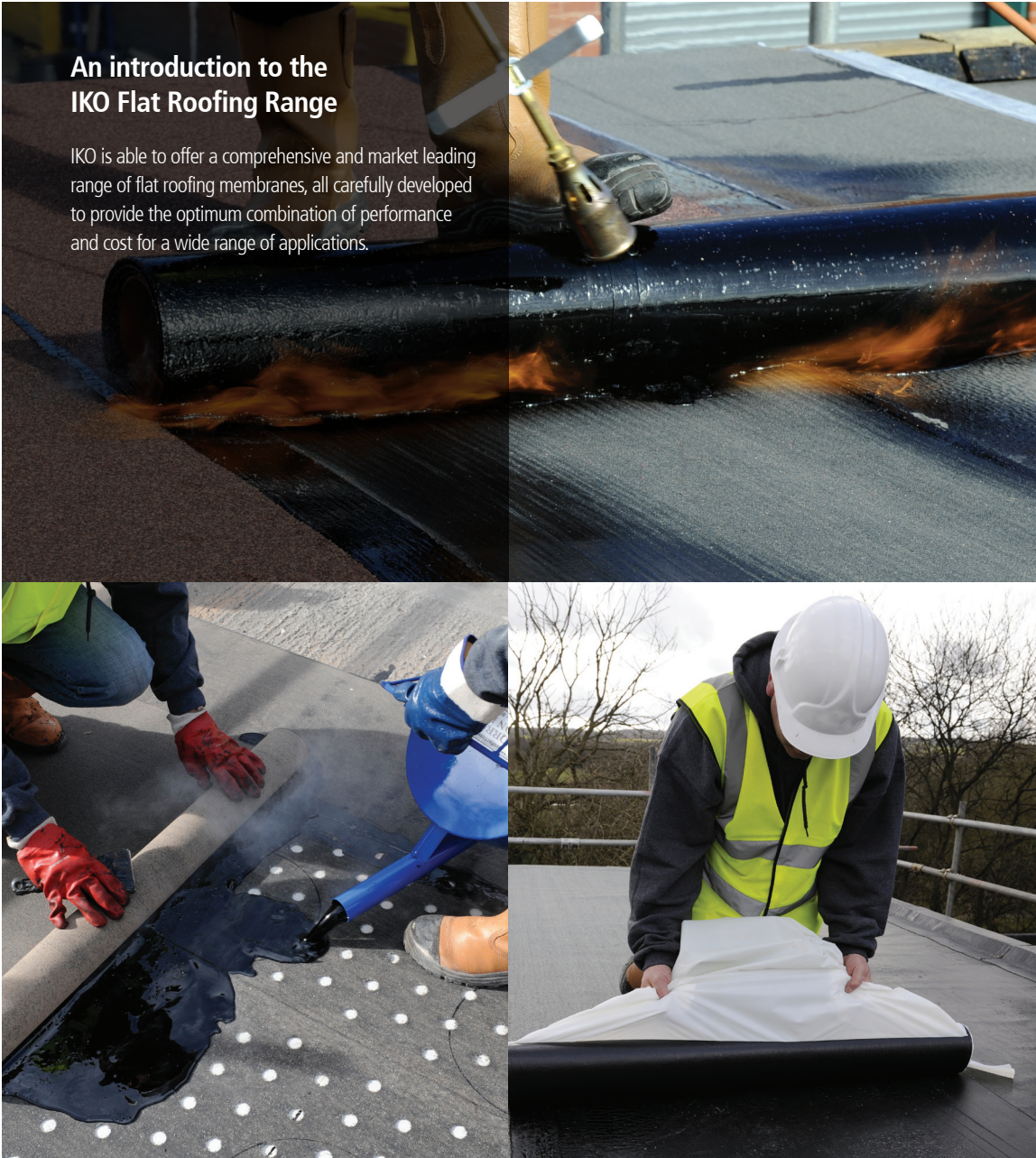
An IKO solution for all roofing projects



High Performance Flat Roof Systems

An introduction to the IKO Flat Roofing Range

IKO is able to offer a comprehensive and market leading range of flat roofing membranes, all carefully developed to provide the optimum combination of performance and cost for a wide range of applications.



Product	Roll Size	Weight	Base	Finish	Description	Page No
Torch-On Membranes						
IKO Protorch	8m x 1m	40kg	Polyester	Black, Green or Brown	High-performance SBS modified bitumen membrane with built-in fire retardant. 20 year materials guarantee.	5
IKO Britorch	8m x 1m	40kg	Polyester	Black or Green	High-performance SBS or APP modified bitumen cap sheet. 20 year materials guarantee.	6
IKO Turbo Torch	8m x 1m	37kg	Polyester	Black, Green, Blue-Grey or Brown	SBS modified bitumen membrane. 15 year materials guarantee.	7
IKO Torchflo	8m x 1m	36kg	Polyester	Black, Green, Blue-Grey or Brown	SBS modified bitumen membrane. 15 year materials guarantee.	8
IKO Adesso	8m x 1m	33kg	Polyester	Black, Green or Brown	APP modified bitumen membrane. 10 year materials guarantee.	9
IKO TGX	8m x 1m	32kg	Polyester	Black or Green	Economy grade SBS modified bitumen membrane. 10 year materials guarantee.	10
IKO SBS Cap Sheet	8m x 1m	33kg	Polyester	Black, Green, Blue-Grey or Brown	Economy grade SBS modified bitumen membrane. 10 year materials guarantee.	11
IKO APP Cap Sheet	8m x 1m	33kg	Glass-fibre	Green	Economy grade APP modified bitumen membrane. 10 year materials guarantee.	12
IKO4KG APP Plain	8m x 1m	32kg	Glass-fibre	Fine Sand	APP modified slate surfaced cap sheet or high performance underlay. 10 year materials guarantee.	13
Pour & Roll Membranes						
IKO Challenger SBS 250 / 180	8m x 1m	39kg / 35kg	Polyester	Green	SBS modified bitumen membrane. 15 year materials guarantee.	14
IKO Challenger SBS Sand	20m x 1m	39kg	Polyester	Fine Sand	SBS modified pour and roll underlay	14
IKO Challenger 250 / 180	8m x 1m	39kg / 35kg	Polyester	Green (180) or Blue-Grey (250)	Membrane with oxidised bitumen coating. 10 year materials guarantee.	14
IKO Challenger Sand	20m x 1m	40kg	Polyester	Fine Sand	Pour and roll underlay with oxidised bitumen	14
Cold Applied Systems						
IKO Easyseal Cap Sheet	6m x 1m	20kg	Polyester	Green Slate Mineral	High-performance self-adhesive SBS modified bitumen membrane. 20 year life expectancy.	15
IKO Easyseal Self-Adhesive Partially Bonded Underlay	8m x 1m	18kg	Glass-fibre	Glass	Glass-fibre reinforced carrier with a heat-activated bitumen SBS coating with a self-adhesive underside. Used for main roof areas in warm roof constructions beneath IKO easyseal CapSheet.	15
IKO Easyseal Self-Adhesive Fully Bonded Underlay	8m x 1m	18kg	Glass-fibre	Glass	Glass-fibre reinforced carrier with a heat-activated bitumen SBS coating with a self-adhesive underside. Used for main roof areas in cold roof constructions and ALL detailing beneath IKO easyseal CapSheet.	15
IKO Ruberseal EPDM	Various sizes	Variable	EPDM	Black; textured on both sides	An extremely durable synthetic fire retardant rubber roofing membrane.	24
IKOpro Acrylic Roof Coat	Drum	20L	Acrylic	Grey	A liquid applied, solvent-based flexible acrylic roof coat system.	25
Complementary Membranes						
IKO SBS Premium Underlay	12m x 1m	38kg	Polyester	Fine Sand	High-performance SBS modified underlay.	16
IKO SBS Standard Underlay	16m x 1m	36kg	Glass-fibre	Fine Sand	Economy grade SBS modified underlay.	16
IKO Film on Film Underlay	16m x 1m	40kg	Glass-fibre	Black	Polymer modified bitumen membrane with the upper and lower surfaces finished with a thermosfusible film	18
IKO APP Polyester Universal Underlay	8m x 1m	32kg	Polyester	Fine Sand	Polymer modified universal underlay	17
IKO APP Glass Universal Underlay	16m x 1m	33kg	Glass-fibre	Fine Sand	Economy grade polymer modified universal underlay	17
IKO TGX Underlay	16m x 1m	32kg	Glass-fibre	Sand	Polymer modified universal underlay	18
IKO Easyseal Self Adhesive Air and Vapour Control Layer	15m x 1m	36kg	Modified bitumen with aluminum core	Fine mineral	Self-adhesive AV/CL for use within a built-up flat roofing system	15
Torch-On Venting Layer	20m x 1m	28kg	Glass-fibre	Fine Sand	Torch-applied, partial bond venting layer	19

Torch-On Membranes SBS Modified

IKO Protorch

IKO Protorch is a new, high-performance torch-on cap sheet with a specially formulated fire retardant coating and a 20 year materials guarantee.

Weighing in at 5kg per m², IKO Protorch is the most robust in its class. IKO Protorch incorporates the Prevent Graphite Fire Wall Technology with self-extinguishing properties and has been classified as Broof(t4) in accordance with BS EN 13501-5: 2005 fire classification of construction products and building elements. IKO Protorch is guaranteed for 20 years, and has life expectancy well beyond. It is fast to install and comes in a choice of colours.

Features & Benefits

- Prevent Graphite Fire Wall Technology
- Broof(t4) in accordance with BS EN 13501-5: 2005 fire classification of construction products and building elements
- 5kg per m² - the most robust in its class
- Faster torching - rapid flow SBS modified bitumen
- Enhanced torching – rapid melt sacrificial backing and seldge films
- Excellent puncture resistance against trafficking during work operations
- High level of tensile strength, elongation and tear resistance
- Low temperature flexibility (-10°C for winter application)
- 20 year materials guarantee



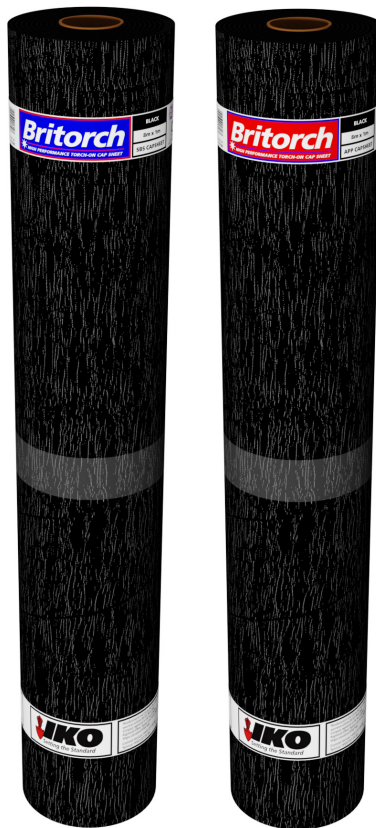
Torch-On Membranes SBS and APP Modified

IKO Britorch

IKO Britorch Torch-On Cap Sheets are non-woven, polyester based, torch-applied cap sheet, coated with an SBS rubber or a high softening point APP modified bitumen coating. The upper surface is finished with mineral granules, and the lower surface has a thermofusible which is rapidly dispersed, making application fast and secure. A 75mm selvedge facilitates bonding of side laps.

Features & Benefits

- Torch-on application
- Cost-effective performance
- Strong polyester reinforcement
- Low temperature flexibility for winter application (APP -5°C, SBS -15°C)
- Durable APP or flexible SBS bitumen
- Available in black and green finish
- 20 year materials guarantee



Torch-On Membranes SBS Modified

IKO Turbo Torch

The IKO Turbo Torch range of cap sheets and complementary underlays has been specifically developed to provide the perfect combination of long-term performance, ideal handling characteristics and rapid torch-on installation.

The unique Turbo-Flow polymer modified bitumen coating melts faster with less gas/heat required, rapidly achieving optimum bond strength, and then cools quickly to reduce foot marking and slumping. IKO Turbo Torch Membranes are polyester based, with the specifically blended Turbo-Flow SBS polymer modified bitumen coating, ensuring high tensile strength, excellent low temperature flexibility and guaranteed long-term performance.

Features & Benefits

- High performance/rapid installation
- Unique Turbo-Flow SBS modified bitumen coating
- 'Quick Torch' rapid dispersal backing film
- Less gas/heat required for installation
- Reduced installation time (up to 30% faster)
- Ideal for detail work – slate surfacing matches pour and roll cap sheets
- 15 year materials guarantee



Torch-On Membranes SBS Modified

IKO Torchflo

IKO Torchflo is a polyester based, slate surfaced torch-on cap sheet, coated with a SBS modified bitumen coating. The membranes feature a tough polyester reinforcement, providing exceptional mechanical strength and dimensional stability.

The upper surface is finished with a factory applied choice of black, green, blue-grey or brown mineral granules, and the lower surface features a rapid melt thermofusable film, making application fast and secure. A 75mm sacrificial selvedge facilitates bonding of side laps. IKO Torchflo provides reliable and effective flat roof waterproofing, combining the qualities of excellent performance, good handling characteristics and economy. The product can be applied onto suitable pour and roll or torch-on underlays as part of a built-up system, or as a refurbishment overlay to existing asphalt or selected mineral surface bitumen membranes.



Features & Benefits

- Specially formulated SBS modified coating
- Tough polyester base for membrane strength and durability
- Excellent puncture resistance against trafficking during work operations
- Low temperature flexibility (-10°C for winter application)
- Rapid melt sacrificial backing speeds torching application
- Good resistance to foot marking
- Range of 4 mineral colour finishes
- 15 year materials guarantee



Torch-On Membranes APP Modified

IKO Adesso

IKO Adesso is a range of polyester based, slate surfaced torch-on cap sheets, coated with a high softening point APP modified bitumen coating. These membranes also have a rapid melt thermofusable film on the underside, making application fast and secure.

IKO Adesso membranes provide reliable and effective flat roof waterproofing, combining the qualities of excellent performance, handling characteristics and economy. They can be applied onto suitable pour and roll or torch-on underlays as part of a built-up system, or as a refurbishment overlay to existing asphalt or selected mineral surface felt.

Features & Benefits

- APP modified bitumen torch-on cap sheets
- Cost-effective durable performance
- Strong and flexible
- Low temperature flexibility (-5°C for winter application)
- Polyester base
- Use with Universal Underlay range
- 10 year materials guarantee



Torch-On Membranes SBS Modified

IKO TGX

IKO TGX Torch-On Cap Sheet consists of a polyester carrier coated with polymer modified bitumen. The upper surface is finished with black or green mineral granules and the lower surface has a thermofusible film which rapidly melts during the torching process. A 75mm thermofusible film selfedge facilitates bonding of side laps.

A torch-on underlay is available to compliment this range (see page 19).

Features & Benefits

- Torch-On application
- Can be used on both flat and sloping roofs
- Ideal for new and existing roofs
- Excellent dimensional stability
- Provides high temperature performance
- Resistant to damage and marking during application
- Available in black and green finish
- 10 year materials guarantee



Torch-On Membranes SBS Modified

IKO SBS Polyester Torch-On

IKO SBS Torch-On Cap Sheet consists of a polyester carrier coated with SBS rubber modified bitumen. The upper surface is finished with mineral granules and the lower surface has a thermofusible film which rapidly melts during the torching operation. A 75mm thermofusible film selfedge facilitates easy bonding of side laps.

IKO SBS Torch-On Cap Sheet is intended for use as part of a torch-applied built-up roofing system for flat and sloping roofs. It is ideal both for new roofs and for the repair of existing felt and asphalt roofs.

Features & Benefits

- High softening point coating
- Strong polyester reinforced base
- Excellent low temperature flexibility
- Choice of colour finishes
- 10 year materials guarantee



Torch-On Membranes APP Modified

IKO APP Torch-On Cap Sheet

IKO APP Torch-On Cap Sheet is a glass-fibre based, slate surfaced 'membrane', coated with a high softening point APP modified bitumen. The thermofusible film can be rapidly dispersed, making application fast and secure.

IKO APP Torch-On Cap Sheets provide reliable and effective flat roof waterproofing, combining the qualities of excellent performance, good handling characteristics and economy. They can be applied onto suitable pour and roll or torch-on underlays as part of a built-up system, or as a refurbishment overlay to existing asphalt or selected mineral surface bitumen membranes.

Features & Benefits

- High softening point coating
- Strong glass-fibre base
- Durable APP modified bitumen
- Low temperature flexibility (-5°C for winter application)
- Cost-effective performance
- 10 year materials guarantee



Torch-On Membranes APP Modified

IKO 4KG APP Plain

IKO APP 4KG can be used as an economical and flexible cap sheet or a high performance underlay.

IKO 4KG APP Plain Waterproofing Membrane is a glass-fibre based torch-on underlayer/top layer, coated with a high softening point APP modified bitumen. The thermofusible film can be rapidly dispersed, making application fast and secure.

IKO 4KG APP Plain Waterproofing Membranes provide reliable and effective flat roof waterproofing, combining the qualities of excellent performance, good handling characteristics and economy. They can be applied onto suitable pour and roll or torch-on underlays as part of a built-up system.

Note: Additional surface protection is required eg. promenade tile, chippings or solar reflective paint.

Features & Benefits

- Torch-on application
- High softening point coating
- Strong glass-fibre reinforcement
- Durable APP Modified bitumen
- Low temperature flexibility (-5°C for winter application)
- Cost effective performance
- 10 year materials guarantee



Pour & Roll Membranes

The IKO Challenger products form a simple range of roofing membranes, which are suitable for domestic and commercial applications.

IKO Challenger SBS Polyester Based Cap Sheets

IKO Challenger SBS Membranes have a polyester base for toughness and durability with an SBS modified bitumen coating. Green slate surface membranes are available for use as cap sheets without the need for protection, sand surfaced membranes are used as underlays or where additional surfacing in the form of chippings or promenade tiles will be provided.

Features & Benefits

- Tough polyester bases
- SBS modified bitumen coating
- 15 year materials guarantee



IKO Challenger Polyester Based Cap Sheets

IKO Challenger Membranes have a polyester base for toughness and durability with an oxidised bitumen coating. Green and blue-grey slate surface membranes are available for use as cap sheets without the need for protection; sand surfaced membranes are used as underlays or where additional surfacing in the form of chippings or promenade tiles will be provided.

Features & Benefits

- Tough polyester bases
- Oxidised bitumen coating
- Choice of green or blue-grey cap sheets
- 10 year materials guarantee



Self-Adhesive Membranes

IKO Easyseal Self-Adhesive Cap Sheet, Underlay(s)* & Air and Vapour Control Layer (AVCL)

IKO Easyseal is a multi layer, high performance, self-adhesive system that is ideal for replacing an existing roof covering or installing a new waterproof surface on a properly prepared deck.

IKO Easyseal has been specially developed to make flat roofing more straightforward and economical for the jobbing builder, small roofer or experienced DIYer, to a professional quality standard.

Features & Benefits

- Ideal for small domestic roofs, as well as being equally suitable for larger commercial projects.
- No need for hot bitumen or gas torches
- Simple installation (instructions included) – only basic skills and tools required for a professional finish
- Clean and easy to handle, the backing simply strips away and achieves a guaranteed bond
- Tough and durable
- BBA approved (certificate no.02/3916)
- 20 year life expectancy
- Manufactured in the UK



IKO Easyseal Self-Adhesive Underlays

There are now two options available for use with IKO Easyseal Self-Adhesive Cap Sheet:

1. **Partially bonded** for use on main flat areas and over approved insulation in warm flat roofs
2. **Fully bonded** for all detailing works. It may also be considered for use on main flat areas in cold roof build ups



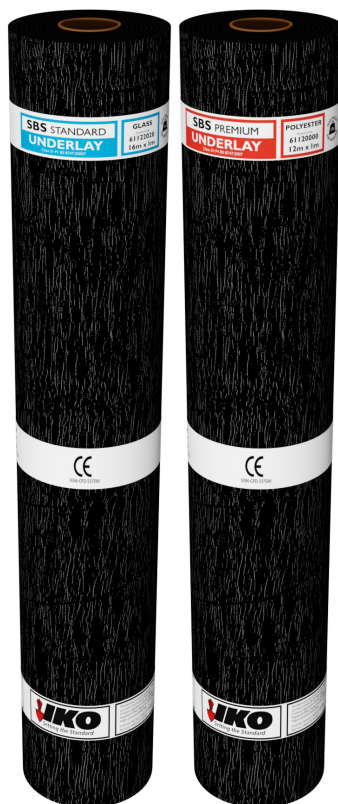
Complementary Membranes

IKO SBS Underlays

IKO Standard SBS Underlayer consists of a glass tissue carrier coated with rapid flow SBS rubber modified bitumen. IKO Premium SBS Underlayer features a polyester carrier and is also coated with rapid flow SBS modified bitumen. The upper surface of both products is finished with fine sand and the lower surface has a thermofusable film which rapidly melts during the torching operation.

Features & Benefits

- Rapid flow SBS modified coating
- Polyester or glass base options
- Torch-on application



Complementary Membranes

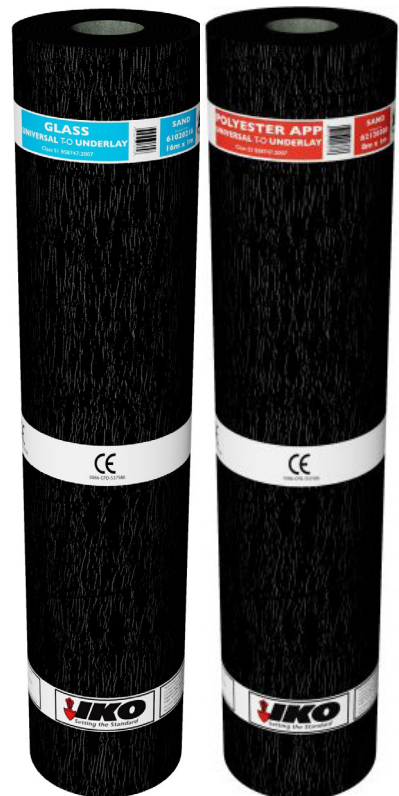
IKO APP Universal Underlays

IKO's range of universal torch applied underlays includes a polyester based, 4kg/m² sand surfaced product (IKO Polyester Universal T-O Underlay), and a standard glass-fibre based underlay (IKO Glass Universal T-O Underlay).

The products are finished with sand on the top and are surfaced on the underside with a flame dispersible polyethylene film to allow for torch application.

Features & Benefits

- High softening point bitumen coating
- Polyester or glass base options
- For use under a wide range of cap sheets



IKO TGX Underlay

IKO TGX Torch-On Underlay consists of a glass tissue carrier coated with polymer modified bitumen. The upper surface is finished with fine sand and the lower surface has a thermofusible film which rapidly melts during the torching process.

Features & Benefits

- Torch-on application
- Can be used on both flat and sloping roofs
- Ideal for new and existing roofs
- Excellent dimensional stability
- Provides high temperature performance
- Resistant to damage and marking during application
- Available in black and green finish
- 10 year materials guarantee



IKO Film-on-Film Torch-On Underlay

IKO Film-on-Film Torch-On Underlay, a polymer modified bitumen membrane with the upper and lower surfaces finished with a thermofusible film, intended for use as an underlay/intermediate layer within a bituminous built-up roofing system.

Features & Benefits

- **Torch Applied** - Rapid application and sealing of the laps
- **Thermofusible Film on both sides** - superior bond strength
- **SBS Modification** - greater flexibility under ambient temperature fluctuations



IKO Torch-On Venting Layer

IKO Torch-On Venting Layer is composed of a perforated glass reinforcement which is saturated and then coated in polymer modified bitumen. A fine sand finish is applied to the top surface and a thermofusible film to the back surface. The sacrificial film over the perforations melts during application of the underlayer and allows bitumen to flow through the perforations and spot bond to the deck.

IKO Torch-On Venting Layer is specifically designed for use with torch applied roofing membranes and when used as the first layer of a torch applied built-up felt roofing system, will provide a positive partial bond to prepared non-combustible substrates. Manufactured with an oxidised bitumen coating, IKO T-O Venting Layer can be used in conjunction with both SBS and APP modified torch-on roofing.



Features & Benefits

- SBS and APP compatible
- Helps prevent risk of 'blistering'
- Positive partial bonding
- Easily installed
- Loose laid (partially bonded with torch application of the subsequent layer)
- Rot proof

IKO Glass-Fibre Roofing Range

This range of IKO Glass-Fibre Roofing Membranes consists of underlays and cap sheets, complying with former BS 747: 2000 Type 3 where applicable. The products usually have an oxidised bitumen coating and are either sand or mineral surfaced. These products are usually applied with hot bonding bitumen, or cold bitumen adhesive.

Features & Benefits

- British Standard glass-fibre based
- Economic roofing materials



IKO Glass-Fibre SBS Cap Sheet

IKO Glass-Fibre SBS Cap Sheet is an SBS modified waterproofing membrane which is finished with sand on the underside and a decorative slate on the upper surface. It offers improved low temperature flexibility, fatigue resistance and durability over the more traditional oxidised bitumen coated, glass-fibre based roofing cap sheets.

IKO Perforated Slate Underlay

(Formerly BS 747: 2000 Type 3G)

IKO Perforated Slate Underlay is a perforated venting underlay which is sand finished on the top surface and slate finished on the underside. This product is loose laid, and designed to provide a controlled partial bond to a substrate when the subsequent layer is fully bonded in hot bitumen in a built-up roofing system.

IKO Perforated Sand Underlay

(Formerly BS 747 Type 3H)

IKO Perforated Sand Underlay is a perforated venting underlay which is sand finished on both surfaces. This product is loose laid to provide an economical, controlled partial bond to a substrate, when the subsequent layer is fully bonded in hot bitumen.

IKO Glass-Fibre Underlay

(Formerly BS 747: 2000 Type 3B)

IKO Glass-Fibre Underlay is a waterproofing membrane, consisting of a strong glass fibre base coated with oxidised bitumen. It is sand finished on both surfaces. Used as an economical underlay (or intermediate layer) in a built-up felt roofing, and is usually fully bonded in hot bitumen. It is also used as an underlay to bitumen shingles in a pitched roof application.

Roofing for everyday applications

IKO traditional roofing felt is a well established range of British Standard roofing membranes. These roofing felts can be used as a single, two-layer or three-layer application, and are suitable for use as temporary waterproofing or for use on a wide range of garden buildings.

IKO Trade Top Sheet is suitable for flat roof decks with a minimum fall of 1:80 and be free draining. **Note:** for roof pitches below 10°, a multiple layer built up roofing system should be used.

These traditional products can be applied using conventional pour and roll techniques. They may be bonded cold-applied using IKOpro Roofing Felt Adhesive or alternatively nail fixed. The range provides a cost-effective roofing solution suitable for a wide range of projects, although they are not recommended for use on habitable buildings.

Features & Benefits

- Traditional products
- Economy roofing materials
- Nail fixing, cold adhesive or pour and roll bitumen application

IKO Trade Underlay (Medium)

Sanded roofing felt, for use as an underlay to a multi-layer system or as a single layer for shed/hutch roofs.

- Roll size: 20m x 1m

IKO Trade Underlay (Heavy)

Heavyweight sanded roofing felt for use as an underlay to a multi-layer system or as a cap sheet where the surface is dressed with stone chippings.

- Roll size: 10m x 1m

IKO Trade Top Sheet

IKO Trade Top Sheet is a heavyweight, green slate surfaced top layer and is ideal for use as the cap sheet to a multi-layer system or a single layer on shed roofs.

- Roll size: 10m x 1m



Flat Roofing Accessories

IKOpro Quick Dry Bitumen Primer

Fast-drying bitumen priming solution designed to seal and prepare dry or slightly damp surfaces for the application of bitumen waterproofing products and systems.

Features & Benefits

- Drying time approximately 30 minutes at 20°C, depending on the substrate
- No residual tack
- Available in 2.5L, 5L & 25L



IKOpro SA Bitumen Primer

Fast-drying, rubber modified bituminous priming solution designed to seal and prepare surfaces for the application of roofing and waterproofing systems, in particular self-adhesive membranes.

Features & Benefits

- Drying time approximately 1 hour depending on the substrate and the weather conditions
- Available in 5L & 25L



IKOpro Roofing Felt Adhesive

IKOpro Roofing Felt Adhesive is a cold, brush applied, black, oxidised bitumen based adhesive used to bond successive layers of roofing membranes or roofing membranes to concrete, asphalt, metal, plywood, OSB 3 and similar surfaces.

Features & Benefits

- Available in 1L, 2.5L & 5L



IKO Easymelt Bonding Bitumen

IKO Easymelt is a high grade bonding bitumen, supplied in easy to handle 10kg shrink wrapped blocks. IKO Easymelt combines the benefits of a high quality bonding bitumen, with the greater efficiency, safer handling and reduced waste that comes from this convenient package.



Features & Benefits

- High quality general purpose hot bonding bitumen
- Melt away packaging – less waste to clear up
- Easy to use 10kg shrink wrapped blocks
- Safer to use - almost half the weight of conventional keg bitumen
- Environmentally friendly - no wrapper to remove and dispose of
- Economical to stack and store – requires less room than conventional kegs
- Heated in a standard bitumen boiler
- Requires less heat to achieve usage temperature

IKO Protectoboard

IKO Protectoboard is a protection and roof recovery board fabricated with a bituminous core sandwiched between two layers of non-woven glass-fibre reinforcement. It offers durable and reliable performance and is fully compatible with a range of bituminous and non-bituminous waterproofing systems.



Features & Benefits

- Used for existing surface preparation or finished waterproofing protection
- Robust and dimensionally stable
- 3.2mm thick (standard grade)
- Various board size options
- Mechanically fixed or bonded in bitumen/PU Adhesive
- Easily cut and formed on site
- Easily stored, requiring minimum storage space
- Can directly receive torch-on, bitumen bonded or self-adhesive roofing membranes

Cold Applied Roofing Systems



What is EPDM?

EPDM (ethylene propylene diene monomer) is an extremely durable synthetic fire retardant rubber roofing membrane.

IKO Ruberseal Fire Retardant EPDM Membrane (EPDM Membrane) is an unreinforced elastomeric waterproofing membrane that is black in colour with a textured surface on both sides.



Features & Benefits

- BBA approved (Certificate No.15/5277)
- Simple and quick to install
- Minimal maintenance
- Fire retardant, high quality membrane
- In roll or pre-fabricated format
- Durable and highly elastic
- Life expectancy of up to 40 years
- UV and root-resistant
- Contains no dangerous substances

Hassle-Free, Long-Lasting Waterproof Roofing

The BBA approved IKO Ruberseal EPDM System is a high performance single-ply waterproofing system that is quick and easy to install and incredibly long-lasting. A variety of lengths are available creating an exceptional weatherproofing protection solution for both new builds and refurbishment projects.

IKO's Ruberseal EPDM System includes all of the components needed to complete the perfect job. Only basic tools are required and accessories are available in a range of common sizes to make installation simple and straightforward.

From jointing and flashing tapes, to high performance primers and adhesives, the IKO Ruberseal EPDM System offers all the accessories you'll need to ensure a secure and lasting waterproof roofing system.

To view the installation
video scan the QR code



IKOpro Acrylic Roof Coat

A liquid applied, solvent-based flexible acrylic roof waterproofing system.

IKOpro Acrylic Roof Coat is designed to offer 10 years' waterproofing protection to new or existing roof surfaces when reinforced with IKOpro GRF Glass Reinforcement Fleece. IKOpro Acrylic Roof Coat can be applied on top of existing waterproofing including asphalt, bituminous felt and concrete, saving a great deal of time and effort.

IKOpro Acrylic Roof Coat is a simple and easy to apply three component system;

- Acrylic Roof Coating
- Bridging Tape
- Glass Reinforcement Fleece



Features & Benefits

- No need to prime the substrate
- Applied to most existing roof coats
- Quick and easy to install
- Applied in 3 simple steps
- No catalyst or hardeners required
- UV and fire resistant
- Reinforcement fleece for durability
- 10 years of waterproofing protection



For more information
scan the QR code



General Roofing Accessories



IKOfash is a lead-free flashing material which is ideal for use in areas such as chimney and abutment flashings, rooflights and pitched valley linings.

IKOfash is extremely easy to install and offers a modern alternative in situations where lead flashing would traditionally be used.

Typical Applications

- Stepping flashing
- Abutment flashing
- Chimney flashing
- Pitched valley lining
- Rooflights and solar panels
- Dormers

Features & Benefits

- Lighter - 80% lighter than lead
- Faster - Rapid installation (up to 50% quicker)
- Flexible - Can be worked and formed in the same way as lead
- Cost-effective - No scrap or resale value therefore less risk of theft
- Environmentally friendly - IKOfash is non-toxic and recyclable



IKOpro Stickall

IKOpro Stickall is a dense elastomer modified bituminous sealing glue that remains plastic under normal temperatures and adheres well to most building surfaces, including wet surfaces.

IKOpro Stickall has good UV stability and resistance to sagging at high temperatures.

Typical Applications

- Used to seal cracks and blisters on felt roofs
- As a sealant along the edges of ridge tiles
- Between laps or around bolt holes on sheeted roofs
- Around roof lights and for the repair of gutters
- Cold applied adhesive for additional bonding of bituminous shingles
- Finishing mastic for sealing of rainwater pipes, chimneys and all sorts of roof penetrations
- Sealing corrugated sheet accessories
- High permanent adhesive strength when use with building materials such as bituminous surfaces, wood, metals, stone, plastics and concrete
- For use with IKOfash



Pitched Roof Systems





Composite Roof Tiles

IKOslate is a composite roof tile manufactured from mineral reinforced, 99% recycled and re-engineered materials. Its unique structure gives it superior strength and makes it easier to handle and install.

IKOslate has the same aesthetic qualities as slate because moulds of quarried slates are used to form the composite tiles. Each mould imparts different textures and patterns to the tile and its natural look is enhanced by a realistic "slate grey" finish.

IKOslate allows the experienced roofer, or contractor without extensive roofing experience, to deliver a

sustainable roof with the look and feel of slate faster and more economically than previously possible.

An IKOslate tile is around 80% lighter than a traditional slate of the same size which makes transporting them to, and around site, much easier especially as they are supplied in clever carry-packs for efficient manual handling.

Unlike natural slate, IKOslate can be installed using power tools. Tiles can be nailed down using a hammer or nail gun and they can be cut with a hacksaw or jigsaw. Any offcuts are 100% recyclable.

IKOslate is suitable for installation on felt-and-batten roofs with a minimum pitch of 22.5°.

To view the installation video go to:
www.ikogroup.co.uk/ikoslate

Features & Benefits

- Manufactured from 99% recycled, re-engineered materials
- Easy to carry packs with integral handle
- Quicker to install - save time & money on site
- Approximately 80% lighter than natural slate
- Fire rated to EXT.S.AA in accordance with BS476 Part 3: 2004
- Certified to withstand wind and wind driven rain in excess of 110mph
- Resistant to fungicidal and microbial growth as well as airborne chemicals and pollutants
- Robust and non-brittle – less breakages and less wastage
- Safe to cut and use on site – no harmful dust created



IKOslate easy carry packs

IKO's Pitched Roof System

The IKO Pitched Roof System is the first roofing concept that meets the needs of the modern roofer. Individually each component represents state of the art roofing technology, together they form a unique and fully integrated solution.

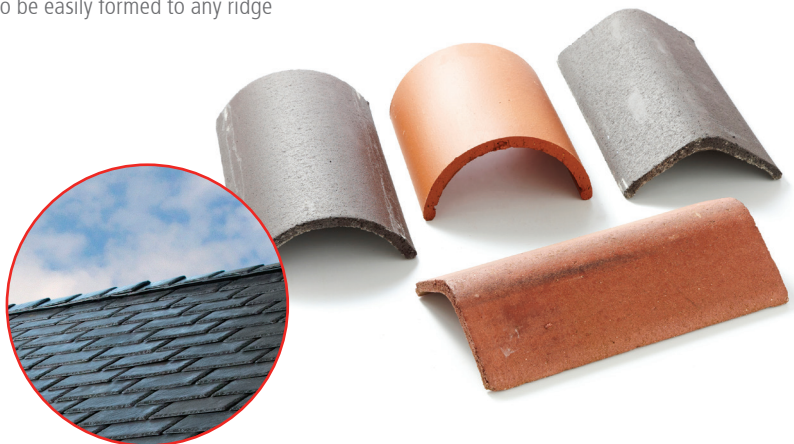
Includes

- Eaves Protection Strip
- IKO Rubershield Pro
- IKOslate
- IKO Armourvent
- IKOslate Crown Ridge
- IKOflash



Crown Ridge

IKOslate Crown Ridge pieces have the texture and finish of regular IKOslates and a flexible hinge which allows them to be easily formed to any ridge profile.





An introduction to the IKO underslating range

IKO produces a wide range of products for use on pitched roofs including breathable and non-breathable underslating membranes and traditional bituminous roofing products.

IKO Underslating Membranes are installed below tiles, slates or metal roofing, to provide a secondary barrier against wind driven rain, snow and dust.

	Rubershield ECO	Rubershield ECO EXTRA	Rubershield PRO	Rubershield PRO EXTRA	IKO Pitched Roof Underlay	IKO Undertile Felt	Eaves Protections Strip
Product Type	Breather Membrane	Breather Membrane	Breather Membrane	Breather Membrane	Non-Breather Membrane Protection	Bituminous	Bituminous Eaves
Roll Size (m)	50 x 1 50 x 1.5	50 x 1 50 x 1.5	50 x 1 50 x 1.5	50 x 1 50 x 1.5	15 x 1/ 45 x 1	15 x 1	16 x 0.5/ 16 x 0.33
Roll Weight (kg)	1m - 5kg 1.5m - 7.5kg	1m - 6kg 1.5m - 9kg	1m - 7kg 1.5m - 10.5kg	1m - 8kg 1.5m - 12kg	2.1/6.3	22.5	14.5/9.6
Warm Pitched Roof	✓	✓	✓	✓	-	-	-
Cold Pitched Roof (unventilated)*	✓	✓	✓	✓	-	-	-
Cold Pitched Roof (ventilated)	✓	✓	✓	✓	✓	✓	-
Timber Framed Wall Application	✓	✓	✓	✓	-	-	-
Eaves Protection (Dressing into External Gutter)	-	-	-	-	-	-	✓
Approval / Standard	BBA Cert** No. 15/5190	BBA Cert** No. 15/5190	BBA Cert** No. 15/5190	BBA Cert** No. 15/5190	BBA Cert** No. 10/4721	Formerly BS 747 Type 1F	Formerly BS 747 Type 5U

*For NHBC project, additional ridge ventilation will be required.

**Laps were taped using Jointing Tape, BRE Report 302-776 Issue 5, 19th March 2015; The use of taped products is currently outside the scope of BBA Certificate 15/5190.

IKO Rubershield Breather Membranes

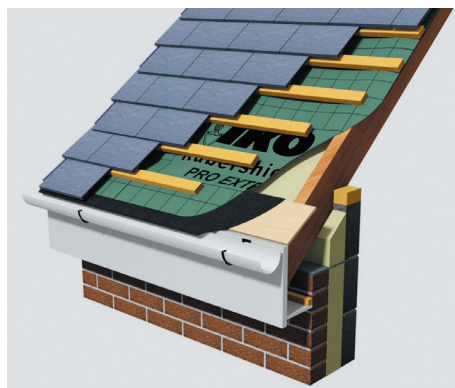
IKO Rubershield is a second-generation breather membrane, which conforms to BS 5534: 2014 and has BBA certification** to support its use within a fully supported or unsupported tiled or slated roofing systems.

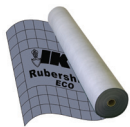


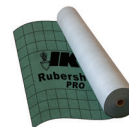
The high vapour permeability and weather resistant nature of this triple-layer engineered fabric provides a permanent quality underlay, making IKO Rubershield the professionals' ultimate choice.

Features & Benefits:

IKO Rubershield is suitable and certified for use in all tiled and slated pitched roof construction.

- Highly breathable so allows the escape of harmful moisture vapour
- Robust
- Weather resistant
- Long-term durability
- Ideal for warm or cold roof applications (ventilated / unventilated)
- BBA Certification for all roof configurations**
- Compliant with BS 5534: 2014



	Rubershield ECO	Rubershield ECO EXTRA	Rubershield PRO	Rubershield PRO EXTRA
				
Thickness (mm)	0.35	0.43	0.48	0.5
Tensile Strength [N(50mm) ⁻¹] longitudinal transverse	180 90	200 110	240 150	260 200
Tear Resistance (N) longitudinal transverse	70 60	80 70	100 80	100 90

IKO Non-Breather Underlays

IKO Pitched Roof Underlay

IKO Pitched Roof Underlay is a lightweight high performance underlay for pitched tiled and slated roofs, ventilated in accordance with BS 5534: 2003. Installed in the same manner as conventional tile and slate underlays, IKO Pitched Roof Underlay prevents the ingress of wind-driven dust, rain and snow into the roof void.

- Roll size options: 15m x 1m and 45m x 1m

Features & Benefits

- Clean and easy to handle
- Lightweight alternative to traditional IF
- Convenient roll lengths



IKO Undertile Felt IF

IKO Undertile Felt is the traditional bituminous underslating, complying to British Standards and still favoured by many roofers. It is manufactured specifically for use as an underslating beneath tiles or slates in open rafter construction. It can also be used as a vapour retarder in built-up roofing.

- Roll size: 15m x 1m

Features & Benefits

- Traditional slaters' felt
- Suitable for cold ventilated roofs



Pitched Roofing Accessories



Eaves Protection Strip

IKO Eaves Protection Strip is a high performance polyester based bituminous membrane, specifically designed to give lasting protection where underslating membranes (eg. breather membranes) dress into external gutters.

- Roll size: 16m x 0.5m and 16m x 0.33m



Features & Benefits

- Conforms to NHBC Technical Standards
- Ensures full protection when dressing into an external half round guttering
- Can be used with any underslating material (including breather membranes)
- Suitable for use on any tile or slate finish and in both cold or warm roof configurations

Rubershield Jointing Tape

Allows the individual sheets of membrane to be sealed to each other and at detail work improves waterproofing performance.

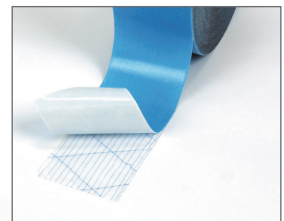
A high performance double-sided self-adhesive tape, protected by a silicon release film on both sides. It is applied between the overlap and at perimeter details/roof penetration points in Rubershield and other polypropylene membranes to effectively seal the joints.

It can make a considerable contribution to a roof complying with Part L of Building Regulations by effectively limiting unwanted air movement and improving thermal performance.

- Roll dimensions: 50m x 50mm with 12 rolls per box

Main uses

- Lap joints in IKO Rubershield and polypropylene underslating membranes
- Attaching the membrane to surface
- Sealing the membrane at penetration points such as soil pipes



IKO Armourvent - Ventilation Strip for Pitched Roof Ridges

IKO Armourvent is an innovative, easy to install ventilation strip that effectively controls the formation of condensation in the roof void.

The unique design consists of an ultra-strong but discreet profile, ensuring a smooth, straight and virtually invisible roofline.



- Roll size: 6m x 228mm
- Roll weight: 3.4kg
- Thickness: 15mm

In conjunction with IKOslate ridge and hip tiles, IKO Armourvent provides a mechanically fixed ridge ventilation system which complies with BS 5534 (Slating & Tiling) and BS5250 (Control of condensation).

Features & Benefits

- Effective but discreet ventilation solution
- Helps control condensation in the roof void
- Strong and durable – helps extend the life of the roof
- Rigorously tested in extreme weather conditions
- Exceeds British Standards' requirements for ridge ventilation

Roofing Shingles & Shed Felt



Roofing Shingles

IKO Armourglass Plus Square Butt & IKO Armourshield Hexagonal

Protecting what's under your roof from the elements is simplicity itself with IKO Roofing Shingles. Roofing Shingles make ideal roofing; they are attractive, easy to install and are perfect for use on a range of buildings.

They are particularly suited for the roofs of or non-habitable or recreational buildings with a boarded roof pitch from 15° to 85°

Features & Benefits

- Long-lasting and economical bundles
- Attractive appearance in a choice of colours and shapes
- Lightweight and easy to install
- Proven waterproofing performance
- APP modified bitumen, UV resistant decorative mineral surfacing
- Non-rotting glass-fibre base
- Higher flexibility at low temperature
- Complies with European Standard EN544 Class 1



Square Black



Square Brown



Amazon Green



Square Tile Red



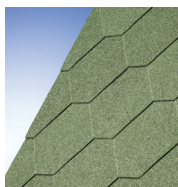
Square Slate Grey



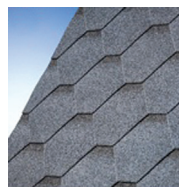
Hexagonal Black



Hexagonal Brown



Amazon Green



Hexagonal Granite Grey

To view the installation
video scan the QR code



Super Shed Felt

Designed to offer a longer lasting, more robust solution, IKO Super Shed Felt is a polyester reinforced bitumen coated roofing felt with a protective and decorative fine mineral finish.

- Green and Black: 8m x 1m
- Lasts up to 15 years

To view the installation video scan the QR code



Shed Felt

IKO Waterproofing Shed Felt is a traditional bitumen coated roofing felt with a protective and decorative fine mineral finish.

It is specially suited for application to the roofs of garden sheds, chalets, stables, kennels, hutches and other non-inhabited buildings which have a roof pitch of 20° or more.

- Black and Green: 8m x 1m and 10m x 1m
- Red: 8m x 1m
- Lasts up to 5 years



Note: Any roof with a low pitch between 10° and 20°, a waterproofing underlay is required beneath the primary waterproofing finish.

Other products available from IKO

Hyload Above Ground Structural Waterproofing

- High Performance DPC's
- Insulated DPC & Cavity Closure
- Damp Proof Membranes
- Preformed Cloaks

Hyload Below Ground Structural Waterproofing

- Tanking Membranes
- Liquid Tanking
- Protection Boards
- Wall Drainage Systems

IKOpro Liquids for the Professional

- High Performance Solutions and Compounds for Roofing and Structural Waterproofing



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