SEAMLESS WATERPROOFING
Total Supplier of Roofing, Waterproofing and Insulation Systems

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IKO Group

IKO is a leading manufacturer of roofing materials, insulation and waterproofing solutions. With more than 30 manufacturing plants and 4,500 employees worldwide, IKO is a global player. Its headquarters is located in Toronto, Canada.

IKO nv

IKO’s European headquarters and the group’s R&D centre are located in Antwerp, Belgium.

Since 1911, our products have been shipped from the state-of-the-art bitumen plant in Antwerp to more than 70 countries. Sweden, Finland, Iceland, the Emirates, Madagascar, Morocco,… no climate is alien to us. Our membranes are used all over the world in a wide variety of new buildings and renovations. IKO offers ready-made solutions for both industrial and private buildings. We have been at the top of the market for more than 100 years now – without denying our roots.

In addition to bitumen roofing membranes, IKO also manufactures related accessories for roofing membranes. The complete product line includes high-quality insulation boards, liquid waterproofing and complementary waterproofing products, such as primers and adhesives.

Objective

Our mission is to develop energy-efficient and environmentally sound roofing products and systems. Relying on our knowledge of roofing, insulation and liquid waterproofing, we develop and manufacture new products which, together, form a perfect comprehensive system for new buildings and renovations in the construction industry.

We vigorously pursue environmentally sound products, sustainable building systems and a complete range of products whose quality we can guarantee.

With the focus on quality, ecology and innovation, in combination with state-of-the-art technology, IKO constantly seeks to live up to its motto “Setting the Standard”.
LIQUID WATERPROOFING

With IKO protect, IKO offers a range of high-quality liquid waterproofing systems. Our solutions are a valid alternative and a valuable supplement to traditional bitumen and single ply waterproofing membranes, both in new build and in renovation.

Scope

In view of their benefits compared to waterproofing membranes, liquid waterproofing systems are used primarily for the seamless waterproofing of roofs, balconies, terraces, walkways, car park roofs and car parks.

Why choose a liquid waterproofing system?

- Seamless membrane, preventing water infiltration at overlaps
- Minimum installation height and low weight
- Torch-free application, which greatly increases safety at the construction site
- Complex shapes and hard-to-reach areas can be treated quickly and easily
- Full bonding to the most common building materials, even plastics
- Membrane and aesthetic finish are available in all RAL colours
- Perfectly compatible with IKO enertherm insulation

Single- or two-component system?

IKO has developed both single- and two-component liquid systems. Each solution has specific characteristics and a specific installation method, which will largely determine the contractor’s choice.

Single-component systems

- Based on PU (polyurethane) or MS (modified silicone)
- Easy to apply
- Longer curing time

Two-component systems

- Based on PMMA
- Short reaction time
- Short installation time
In order to guarantee the quality of the waterproofing membrane installed, the IKO protect liquid waterproofing systems are only available to certified contractors.

Certified contractor

One becomes a certified contractor after receiving thorough theoretical and practical training from our IKO protect instructors. The certification must be renewed each year. IKO organises, on a regular basis and at the request of the contractor, customised courses at the specialised training centre in Antwerp, on site at the start of a specific project or, if requested, in the contractor’s premises.

Project follow-up

IKO assists the building partners at all stages of the construction process, from the tender stage through the execution stage to the completion of the project, as well as providing after-sales service. IKO provides free technical expertise and project advice on site. Additionally, it is possible to enlist the services of an independent consulting company to provide additional expertise and to draw up the technical specifications.

For new projects, IKO presents at least 3 price quotes free of engagement from certified IKO protect contractors. IKO’s technical advisor provides the necessary on-site support during the start-up of the building project. After that, the advisor still routinely visits the construction site to inspect the execution by the certified IKO protect contractor. If there are any questions or complications, he arrives at the site in no time to assist the contractor.

IKO insurance-backed warranty

Besides the standard cover of the product warranty, the contractor or owner-builder may also opt for the 10-year watertight insurance-backed warranty of IKO nv. In this case, an independent inspection company is appointed which will inspect the application by the certified contractor at all stages of the project and which will compile a detailed visit report for each visit. By following this procedure, the inspected execution steps are guaranteed against any faults.
ROOF DETAILS
FLAT ROOFS
PITCHED ROOFS
LIQUID WATERPROOFING FOR ROOFS

Waterproof down to the details

Complex details such as domes, skylights, lead-throughs and upstands are the weak point of any roof. With bitumen or single ply waterproofing membranes, it is not easy to waterproof these details correctly. IKO offers liquid waterproofing systems which have been specially developed for this application. Thanks to their optimal adhesion to the traditional roof waterproofing materials and their torch-free application, they make for a safe and durable solution.

The thermal effect on the various roof materials, such as bitumen, metal, concrete,… causes various expansions. However, these are bridged perfectly by IKO protect liquid waterproofing systems.

If the liquid system is applied to a bituminous roofing membrane with slate finish, the same slate can be broadcasted in the wet layer so as to create an optical continuum.

Also suited for ‘the real thing’

With roof waterproofing membranes, there is a risk of water penetrating at overlaps. The liquid waterproofing system, however, cures, forming an elastic and seamless waterproofing membrane.

The more complex the roof structure is, the harder it is to apply these waterproofing membranes. Such structures and substrates can be treated quickly and easily with liquid waterproofing systems.

Why choose liquid waterproofing?

- Seamless membrane
- Very quick and torch-free application
- Easy precision work in difficult areas
- Can be combined with IKO enertherm and other insulation materials
- Full bond to bitumen and single ply membranes and other roofing materials
- Excellent resistance to UV radiation
LIQUID WATERPROOFING FOR ROOFS

MS DETAIL

A solvent-free, single-component, elastic MS polymer-based coating, it is characterised by quick installation as the second layer is applied wet-on-wet to the first layer.

TEKNOSTRIP

A reinforcing fleece composed of non-woven polyester with a density of 30 g/m². This fleece is rolled out in the first wet layer of MS Detail and pressed down in areas that are subject to strong movements, thus ensuring the strength, stability and long working life of the system.

Single-component MS waterproofing system composed of:

1. MS Detail
2. Teknostrip
3. MS Detail

Application

- Roof details

Benefits

- Single-component: quick and simple application
- Solvent-free and odourless
- Innovative MS technology
- Viscous: does not flow down when applied vertically
IKO protect

Two-component PMMA waterproofing system composed of:

1. Metaprime Detail
2. Metatec Detail
3. Metastrap
4. Metatec Detail

Application
- Roof details

Benefits
- Two-component: very quick application and curing
- Durable PMMA technology
- Application in poor weather conditions possible
- Viscous: does not flow down when applied vertically
TEKNOTAN EC/UV

TEKNOTAN EC
A single-component, PU-based coating which is applied as the first layer. In addition to excellent flow properties, this coating also has a high dry matter content and shows excellent adhesion to most roof substrates.

TEKNOTAN UV
A single-component, PU-based coating which shows excellent resistance to UV radiation and thermal stability. This coating is applied to a cured Teknotan EC layer. On larger roof projects, both Teknotan EC and Teknotan UV are applied by means of an airless installation in order to optimize the output.

Additional products:
1 - IKO PRO PU ADHESIVE
A single-component and foaming PU adhesive for bonding insulation boards.
2 - IKO ENERTHERM ALU
An aluminium-laminated PIR insulation board.
3 - IKO BASE STICK T/SA
A self-adhesive bituminous membrane, acting as a layer between the insulation and the liquid waterproofing system.

Single-component PU waterproofing system composed of:
- Teknoprimer Detail
- Teknotan EC
- Teknofleece 225
- Teknotan UV

Application
- Flat and pitched roofs

Benefits
- Single-component: simple installation
- Proven moisture-curing PU technology
- White colour (reflection) available as standard
## METATEC ROOF

**METAPRIM DETAIL**
A two-component, methacrylate-based primer for bitumen roofing membranes, single ply roofing membranes and asphalt.

**METATEC**
A two-component, methacrylate-based coating which cures after mixing it with the hardener powder. In addition to quick curing (after just 45 minutes), Metatec is also characterised by quick installation as the second layer is applied wet-on-wet to the first layer.

**METAFLÉECE 110**
A reinforcing fleece composed of non-woven polyester with a density of 110 g/m². This fleece is rolled out and pressed down in the wet layer of Metatec, and ensures the strength, stability and puncture resistance of the system. Since the Metatec Roof system is resistant to continuous water stagnation and pressure, it is also highly suited for waterproofing ponds, fountains and private pools.

<table>
<thead>
<tr>
<th>Two-component PMMA waterproofing system composed of:</th>
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<tr>
<td>1 Metaprim Detail</td>
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### Application
- Flat and pitched roofs

### Benefits
- Two-component: very quick application and curing
- Durable PMMA technology
- Application in poor weather conditions possible
BALCONIES
TERRACES
WALKWAYS
STAIRS
Limited installation height

In waterproofing a balcony, the installation height is often the determining factor in the choice of the system and of the decorative finish. Liquid waterproofing systems need not be finished with (ceramic) tiles; a wide variety of materials can be broadcasted in them for decorative purposes. For that reason, liquid waterproofing systems are characterised by a very limited installation height.

Confined but complex space

When refurbishing a balcony, there is a lot of complex flashing and there are different substrates requiring durable waterproofing. Liquid waterproofing systems adhere to a wide variety of materials, such as concrete, liquid asphalt, wood, metals and hard plastics, and are used quickly and sustainably in waterproofing complex details.

Creativity galore

Many owner-builders favour the infinite choice of decorative finishes. Basically, the liquid waterproofing resin can be produced in any RAL colour. Also with regard to the broadcasting materials, such as paint flakes, fine and coarse quartz granules, there is a wide range of colours to choose from. This allows for the project to be tailored to the needs of the owner-builder. After all, the balcony is the extension of the living area, isn’t it?

Why choose liquid waterproofing?

- Seamless membrane
- Very limited installation height
- Range of decorative finishes
- Resistance to concentrated load
- Quick and torch-free application
- Easy precision work in difficult areas
- Can be combined with IKO enertherm and other insulation materials
LIQUID WATERPROOFING FOR BALCONIES

**TEKNOTAN BT**

**TEKNOPRIMER**
A two-component, epoxy-based primer for concrete and cement-bound substrates.

**TEKNOTAN BT**
A single-component, PU-based coating which is applied as a first layer and as a second layer to the cured first layer. In addition to having excellent flow properties, it also shows excellent resistance to UV radiation and thermal stability.

**TEKNOFLEECE 225**
A reinforcing fleece composed of glass fibre with a density of 225 g/m². This fleece is rolled out and pressed down in the wet first layer of Teknotan BT, and ensures the strength, stability and puncture resistance of the system.

**TEKNOTRANS**
A single-component, transparent, PU-based varnish.

**Additional products:**

**DECORATIVE FINISH**
An overview of the decorative finishes is given on page 17.

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**Single-component PU waterproofing system composed of:**
1. Teknoprimer
2. Teknotant BT
3. Teknofleece 225
4. Teknotan BT

**Application**
- Balcony, terrace, walkway, stairs

**Benefits**
- Single-component: simple installation
- Proven moisture-curing PU technology
- Ideally suited for large balcony projects

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**CERTIFICATION**
ATG 2562 certificate
ETA-13/0285 certificate (European Technical Assessment) according to ETAG005
IKO protect

METAPRIM
A two-component, methacrylate-based primer for concrete and cement-bound substrates.

METATEC
A two-component, methacrylate-based coating which cures after mixing it with the hardener powder. In addition to quick curing (after just 45 minutes), Metatec is also characterised by quick installation as the second layer is applied wet-on-wet to the first layer. After drying, Metatec forms the waterproofing membrane.

METAFLEECE 110
A reinforcing fleece composed of non-woven polyester with a density of 110 g/m². This fleece is rolled out and pressed down in the wet first layer of Metatec, and ensures the strength, stability and puncture resistance of the system.

METATEC FLOOR
A two-component, methacrylate-based floor screed which cures after mixing it with the hardener powder. After drying, Metatec Floor forms the wear layer of the system.

METATEC FINISH
A two-component, methacrylate-based finish which cures after mixing it with the hardener powder. Paint flakes or quartz sand are broadcasted in the coloured Metatec Finish, which can also be used as sealer.

Additional products:
DECORATIVE FINISH
An overview of the decorative finishes is given on page 17.

Two-component PMMA waterproofing system composed of:
1 Metaprim
2 Metatec
3 Metafleece 110
4 Metatec
5 Metatec Floor

Application
- Balcony, terrace, walkway, stairs

Benefits
- Two-component: very quick application and curing
- Ideally suited for projects with a short turnaround time
- Durable PMMA technology
- Application in poor weather conditions possible

CERTIFICATION
ETA-15/0478 certificate (European Technical Assessment) according to ETAG005
CAR PARK ROOFS
INTERMEDIATE DECKS
RAMPS
Minimum disruption during the works

The renovation of an existing parking area should be done quickly and efficiently for economic reasons. To minimise disruption, PMMA-based liquid waterproofing systems are used which can be applied quickly and, additionally, cure quickly (45 minutes). This way, the parking area can be quickly made available for use again.

Limited installation height

PMMA-based waterproofing waterproofing systems are waterproofing, protective layer and top layer combined into one. The installation height of the waterproofing is limited (approx. 5 mm) and the load is minimal (approx. 13 kg/m²).

Durable solution

On asphalt top layers, the risk of rutting caused by the pressure from parked cars is very real. PMMA-based liquid waterproofing systems can withstand high loads and, additionally, are wear-resistant. They have a high resistance to de-icing salt and oil pollution.

Playing with colours

Lines for the parking spaces, zone markings, such as larger spots for disabled people, pedestrian crossings, arrows,... can be realised very easily using PMMA-based coatings. Additionally, they are more wear-resistant than their painted variants.

Why choose liquid waterproofing?

- Seamless membrane
- Limited installation height and low weight
- Quick and torch-free application
- Quick commissioning
- Various colour combinations possible
- Wear-resistant lining and zone marking
**METATEC BTG**

**METAPRIM**
A two-component, methacrylate-based primer for concrete and cement-bound substrates.

**METATEC**
A two-component, methacrylate-based coating which cures after mixing it with the hardener powder. In addition to quick curing (after just 45 minutes), Metatec is also characterised by quick installation as the second layer is applied wet-on-wet to the first layer. After drying, Metatec forms the waterproofing membrane.

**METAFLÉECE 110**
A reinforcing fleece composed of non-woven polyester with a density of 110 g/m². This fleece is rolled out and pressed down in the wet first layer of Metatec, and ensures the strength, stability and puncture resistance of the system.

**METATEC FLOOR**
A two-component, methacrylate-based floor screed which cures after mixing it with the hardener powder. After drying, Metatec Floor forms the protective layer of the system.

**METATEC FINISH**
A two-component, methacrylate-based finish which cures after mixing it with the hardener powder. Quartz sand is broadcasted in the coloured Metatec Finish, which is also used as sealer. After drying, Metatec Finish forms the top layer of the system.

Additional products:

**DECORATIVE FINISH**
An overview of the decorative finishes is given on page 17.

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**Two-component PMMA waterproofing system composed of:**
- Metaprim
- Metatec
- Metafléecce 225
- Metatec Floor
- Metatec Finish

**Application**
- Car park roof, intermediate decks, ramps

**Benefits**
- Two-component: very quick application and curing
- Ideally suited for projects with a short turnaround time
- Durable PMMA technology
- Application in poor weather conditions possible
DECORATIVE FINISHES

Below is an overview of the decorative finishes which are standard available. For finishes in other RAL colours, please contact IKO.

**TEKNOTAN BT**

Teknotan BT broadcasted with Teknoflakes decorative chips

- Light Grey + Grey (partial)
- Dark Grey + Grey (partial)
- Light Grey + Beige (partial)
- Dark Grey + Beige (partial)
- Grey (in full)
- Beige (in full)

Teknotan BT broadcasted with Teknogrip fine quartz sand

- Grey (in full)
- Beige (in full)

Teknotan BT finished with Teknoquartz-based quartz carpet

- Mixed Grey
- Grafito Eine
- Natural Quartz
- Terracotta
- Redbrick
- Yellow Beach
- Green Wimbledon

**METATEC BTG**

Metatec Finish broadcasted with Teknoflakes decorative chips

- Light Grey + Grey (partial)
- Light Grey + Beige (partial)
- Stone Grey + Grey (partial)
- Stone Grey + Beige (partial)
- Traffic Grey + Grey (partial)
- Traffic Grey + Beige (partial)

Metatec Finish Light Grey broadcasted with Teknogrip fine quartz sand

- Grey (in full) + transparent finish
- Beige (in full) + transparent finish
- Light Grey Finish
- Stone Grey Finish
- Traffic Grey Finish

Metatec Floor broadcasted with Dorsilit 1mm coarse quartz sand

- Transparent Finish
- Light Grey Finish
- Stone Grey Finish
- Traffic Grey Finish
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