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INSULATION

**IKO roofing**  
BITUMEN ROOFING MEMBRANES

**IKO pro**  
LIQUID ACCESSORIES



A SOLUTION  
FOR EVERY APPLICATION

[www.enertherm.eu](http://www.enertherm.eu)



DURABLE WATERPROOFING  
FOR FLAT ROOFS

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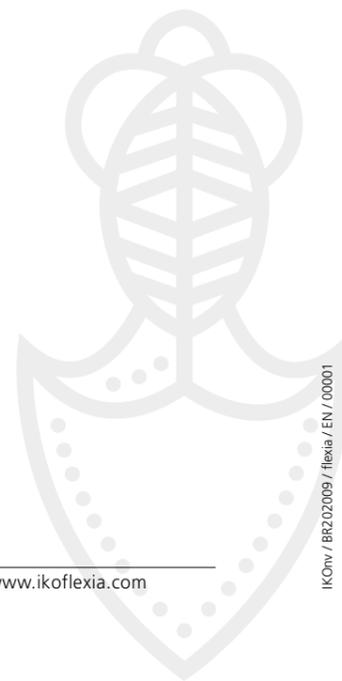


ADHESIVES, PRIMERS  
AND HYDROFUGE PRODUCTS

<https://be.iko.com>

# LIQUID WATERPROOFING

**IKO flexia**



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ROOFING | WATERPROOFING | INSULATION

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# Complete supplier of roofing, waterproofing and insulation systems

<b>IKO</b>	
<b>3</b>	Family business
<b>IKO flexia: Liquid waterproofing</b>	
<b>4</b>	Why choose IKO flexia?
<b>4</b>	Scope of application
<b>5</b>	IKO Certified Contractor
<b>6</b>	IKO flexia system guide
<b>6</b>	Single-component system
<b>7</b>	Two-component system
<b>Scope of application</b>	
<b>8</b>	Balconies, roof terraces, loggias, walkways, stands and stairs
<b>10</b>	Flat roofs, roof details and industrial roofs
<b>12</b>	Car park top decks, intermediate decks and ramps
<b>14</b>	Zone marking, cycle paths, bridges and forecourts
<b>16</b>	Special projects: wind turbine bases, water basins, foundation walls and complex joints
The IKO flexia systems	
<b>18</b>	IKO hybritech
<b>19</b>	IKO tanetech
<b>20</b>	IKO metatech
<b>21</b>	IKO route HD
<b>Decorative finishes</b>	
<b>22</b>	For IKO tanetech
<b>23</b>	For IKO metatech

## Family business

IKO is a pioneering producer of roofing, insulation and waterproofing solutions. With over 30 factories and 4,500 employees worldwide, IKO has earned its global place in this market segment. Headquartered in Toronto, Canada, IKO is a family business. IKO stands out with its short lines of communication and fast decision-making which make it an extremely versatile and responsive company.

## Operating worldwide

Our products are shipped from the high-tech bitumen and liquid coatings manufacturing factory in Antwerp to over 70 countries - Sweden, Finland, Iceland, the Emirates, Madagascar and Morocco, to name but a few. We are familiar with every climate. Accordingly, our waterproofing and insulation systems are used worldwide in all kinds of new-build and refurbishment projects.

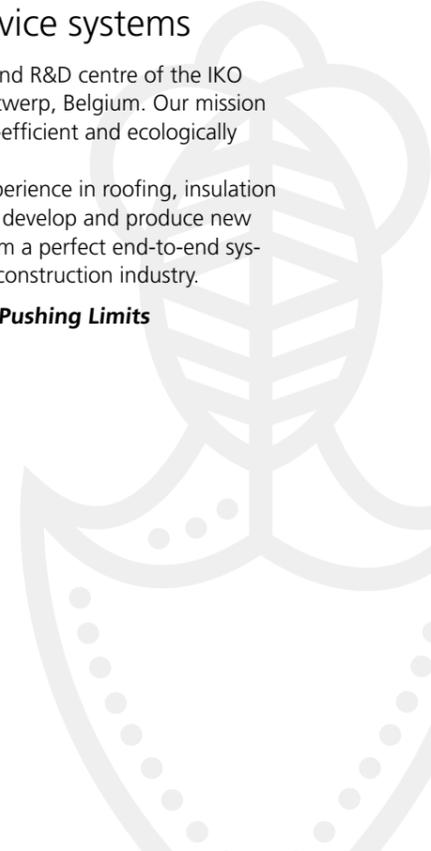
## 100 years of experience

We have been market leader for over 100 years now. IKO has been providing ready-made solutions for both industrial and private buildings since 1911. Besides the production of bitumen roofing, IKO also produces high-quality insulation boards, cold applied liquid waterproofing and complementary waterproofing accessories, such as primers and adhesives.

## Innovative full-service systems

The European headquarters and R&D centre of the IKO group are both located in Antwerp, Belgium. Our mission is to develop durable, energy-efficient and ecologically responsible products. Using our knowledge and experience in roofing, insulation and liquid waterproofing, we develop and produce new products which, together, form a perfect end-to-end system for many projects in the construction industry.

This explains our motto: **IKO Pushing Limits**



# IKO flexia: Liquid waterproofing



With IKO flexia, IKO offers a range of high-quality liquid waterproofing systems. Our solutions represent a fully-fledged alternative and a valuable addition to the traditional bitumen and single ply waterproofing membranes, both in new-build and refurbishment projects.

## Why choose IKO flexia?

IKO flexia liquid waterproofing systems offer a wide range of benefits:

- Seamless monolithic membrane without joints
- Structurally thin and low weight
- Flame-free installation, increased safety on site
- Quick and easy treatment of complex shapes and hard-to-reach places
- Full adhesion to most common building materials, even plastics
- Extensive choice of colours and aesthetic finish
- Perfectly combinable in a system with other IKO products



## Scope of application

Given the many advantages over waterproofing membranes, liquid waterproofing systems can be an answer to a wide variety of waterproofing problems. The areas of application are mainly:

- balconies, terraces and walkways
- roofs and roof details
- car park top decks and intermediate decks
- infrastructure
- exceptional projects such as wind turbine bases, water basins, ...

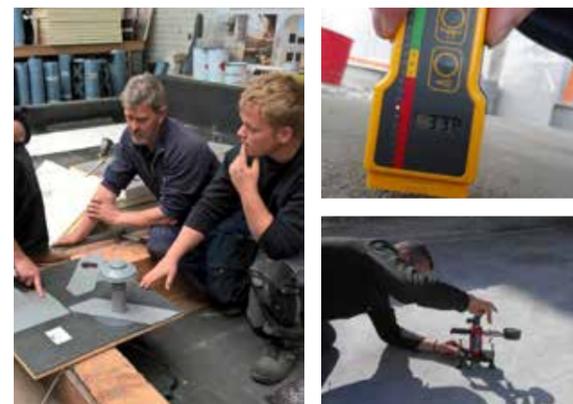


## IKO Certified Contractor

The installation of IKO flexia cold applied liquid waterproofing systems is a skill. In order to guarantee the quality of these systems, they are only installed by contractors who have completed their training with the IKO instructors. These contractors may rightly call themselves IKO Certified Contractors.

### STEP 1: Certified Contractor training

You will be a certified contractor after thorough theoretical and practical training, provided by a technical instructor from IKO. This training can take place in one of the IKO Experience Centers, on site at the start of a specific site or, if requested, at the contractor's premises. The training takes a full day and must be renewed annually.



### STEP 2: Project follow-up

IKO makes the difference by taking the specifier and contracting partners through all phases of the construction process step by step: from the specifications, through the installation to the delivery of the project and after-care. You can count on IKO's technical expertise and project advice. In addition, you can call in an independent surveyor or architect for further expertise and for drawing up specifications. If desired, IKO will provide 3 free quotations from IKO Certified Contractors.

### STEP 3: IKO insured warranty

In addition to the standard product warranty cover, the IKO Certified Contractor can also apply for the IKO 10-year insured warranty. In this case, an independent inspection agency is appointed to supervise the works. The watertightness is guaranteed in the event of product failure, a concept error or a non-systematic execution error, even if the executing party is no longer active.

# IKO FLEXIA SYSTEM GUIDE

Are you looking for the best solution to your waterproofing problem? The IKO flexia system guide below will help you choose the right one, depending on the application and the type of liquid system:

## Single-component or two-component system?

IKO produces both single-component and two-component liquid waterproofing systems in Belgium. Each system is characterised by specific properties and a specific installation method.

SOLUTION FOR	TYPE OF SYSTEM	1-component Hybride			1-component PU			2-component PMMA				IKO route HD
		IKO hybritech			IKO tanetech			IKO metatech				
		MS Detail	Detail	Roof	Detail	Roof	Balcony	Detail	Roof	Balcony	Car park	
BALCONIES	Balcony						•			•		
	Roof terrace						•			•		
	Walkway / stand / stairs									•		
ROOFS	Entire roof			•		•			•			
	Gutter				•			•				
	Other roof detail	•	•		•			•				
CAR PARKS	Top deck										•	
	Intermediate deck										•	
	Ramp										•	
INFRASTRUCTURE	Zoning/ bicycle path											•
	Bridge								•		•	
	Forecourt									•		
SPECIAL PROJECTS	Wind turbine base						•			•		
	Water basin								•			
	Foundation wall		•		•			•				
	Complex joint		•	•	•	•	•	•	•	•	•	
CERTIFICATES				ETA-07/0024	ETA-13/0168	ETA-13/0285 ATG 2562	ETA-17/0398	ETA-17/0398	ETA-17/0398	ETA-17/0398	ETA-17/0398	

## 1 The characteristics of a single-component system:

- ▶ Hybrid polymer-based or PU (polyurethane) based system
- ▶ Easy to process
- ▶ Longer curing time

→ If you opt for a single-component system, choose **IKO hybritech** or **IKO tanetech**

## 2 The characteristics of a two-component system:

- ▶ System based on PMMA (polymethyl methacrylate)
- ▶ Rapid installation
- ▶ Quick curing

→ If you opt for a two-component system, choose **IKO metatech** or **IKO route HD**

# SCOPE OF APPLICATION



## Balconies, roof terraces, loggias, walkways, stands and stairs

### Structurally thin

When waterproofing a balcony, the thickness of the membrane is often the decisive factor in the choice of system and decorative finish. Liquid waterproofing membranes do not necessarily need to be protected with (ceramic) tiles, but can be finished with various broadcast materials for a decorative effect. As a result, liquid waterproofing membranes are structurally thin.

### Tight but complex space

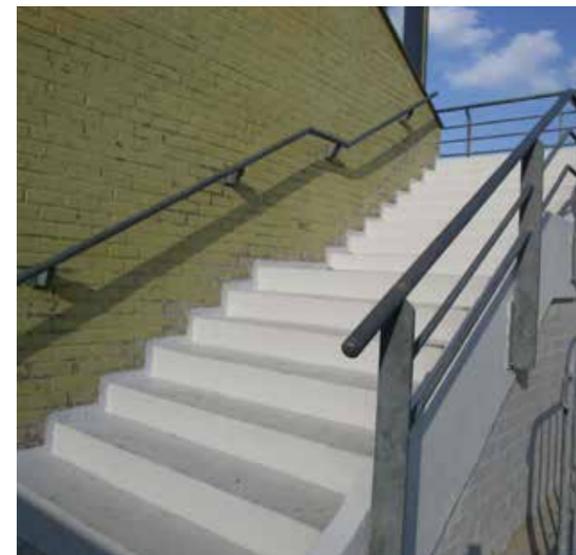
In a balcony refurbishment, there are numerous complex details, joints and different substrates in a cramped space that need to be permanently waterproofed. Liquid waterproofing systems adhere to a wide variety of materials such as concrete, tiles, metals and hard plastics and are used quickly and permanently to waterproof complex details.

### Creativity is our strength

Many clients are won over by the extensive choice of decorative finishes. In principle, the liquid waterproofing resin can be produced in any RAL colour. The choice of colour is also countless in the broadcast materials, such as paint flakes, as well as fine and coarser quartz aggregates. This way, the project can be tailored to the client's wishes. After all, the balcony is the extension of the living space, isn't it?

### Why use liquid waterproofing for balconies and roof terraces?

- ▶ Seamless membrane
- ▶ Structurally very thin
- ▶ Choice of decorative finishes
- ▶ Resistance to concentrated loads
- ▶ Rapid and flame-free installation
- ▶ Simple detailing in difficult areas
- ▶ Combinable with IKO enertherm insulation



### Recommended systems

- IKO tanetech Balcony
- IKO metatech Balcony

page 19  
page 20



## Flat roofs, roof details and industrial roofs

### Waterproof down to the last detail

Complex roof details such as domes, skylights, penetrations and drains are the Achilles' heel of any roof waterproofing. With bitumen or single ply membranes, it is no mean feat to waterproof these details correctly. IKO offers seamless liquid systems developed specifically for this application. Thanks to their optimal adhesion to the standard roofing materials and their flame-free application, they provide a safe and durable solution.



### Especially for complete roofs

After installation, the liquid waterproofing system cures into an elastic and seamless membrane. This minimises the risk of leaks. Liquid systems take on the shape of the substrate. As such, they are the ideal solution for fast and durable waterproofing.



### Why use liquid waterproofing for roofs and roof details?

- ▶ Seamless membrane
- ▶ Rapid and flame-free installation
- ▶ Simple detailing in difficult areas
- ▶ Combinable with IKO enertherm insulation
- ▶ Full adhesion to bitumen and single ply membranes and other roofing materials
- ▶ Excellent fire and UV resistance

### Recommended systems

- |                           |         |
|---------------------------|---------|
| → IKO hybritech Detail    | page 18 |
| → IKO hybritech MS Detail | page 18 |
| → IKO hybritech Roof      | page 18 |
| → IKO tanetech Detail     | page 19 |
| → IKO tanetech Roof       | page 19 |
| → IKO metatech Detail     | page 20 |
| → IKO metatech Roof       | page 20 |



## Car park top decks, intermediate decks and ramps

### Minimal nuisance during the works

The REFURBISHMENT of a commercial car park must be carried out quickly and efficiently for economic reasons. In order to reduce the inconvenience to a minimum, PMMA-based liquid waterproofing systems are often used, which are characterised by rapid installation and fast curing (45 minutes). That way, the parking space can be quickly released for use.

### Structurally thin

Liquid PMMA-based waterproofing systems are waterproofing, protective layer and driving layer in one. The thickness of the waterproofing system is minimal ( $\pm 5$  mm), as is the load on the structure.

### Durable solution

On an asphalt surface, there is a very real risk of rutting due to the pressure of the parked vehicles. Liquid waterproofing systems based on PMMA can withstand high loads and are also wear-resistant. They are also highly resistant to de-icing salts and oil pollution.

### Why use liquid waterproofing for car park top decks, intermediate decks and ramps?

- ▶ Seamless membrane
- ▶ Structurally thin and low weight
- ▶ Rapid and flame-free installation
- ▶ Rapid commissioning
- ▶ Different colour combinations possible
- ▶ Wear-resistant lines and zone marking



### Recommended systems

→ IKO metatech Car Park

page 20



## Zone marking, cycle paths, bridges and forecourts

### Resistant to extreme loads

Bicycle paths, bridges and infrastructure structures are continuously exposed to extreme dynamic and meteorological loads. They must also be protected against harmful factors such as road salts and oil pollution. IKO's PMMA waterproofing is the ideal crack-bridging solution for this.

### Versatile and fast systems

Depending on the requirements of the project, a complete liquid waterproofing system or just a liquid wear layer can be placed on the substrate. In case of waterproofing, a PMMA system can be opted for which is suitable for vehicles to drive on (minimum thickness) or a PMMA waterproof under a protective layer such as cast asphalt. Bicycle paths and bridges can only be closed for a short period of time for works; traffic flows must be released quickly.



### Playing with colour

The choice of different coloured finishes is an important element. Lines for parking spaces, zone markings such as larger parking spaces for people with disabilities, coloured cycle paths, zebra crossings, arrows, ... can easily be realised with highly wear-resistant coatings based on PMMA.



### Why use liquid waterproofing/protection for zone marking, cycle paths, bridges and forecourts?

- ▶ Seamless membrane
- ▶ Structurally thin and low weight
- ▶ Rapid and flame-free installation
- ▶ Rapid commissioning
- ▶ Different colour combinations possible
- ▶ Highly wear-resistant

### Recommended systems

- IKO metatech Roof page 20
- IKO metatech Balcony page 20
- IKO metatech Car park page 20
- IKO route HD page 21



## Special projects: wind turbine bases, water basins, foundation walls and complex joints

### Seamless and crack-bridging waterproofing

Whatever the job, liquid waterproofing can handle it. It is installed quickly and flame-free, the waterproofing membrane has no seams/overlaps and the system can bridge cracks up to 2 mm.

### Resistant to continuous water pressure

There are few waterproofing products that can withstand continuous water pressure. IKO's PMMA is resistant to this and can therefore be used to waterproof fountains, ponds, water basins and even water retention roofs.

### Complex joints

In most projects, including new buildings, complex joints are a real challenge. Thanks to their exceptional mechanical properties, liquid waterproofing systems come into their own here: each joint is permanently waterproofed by means of specific layering.

- Why use liquid waterproofing for special projects?**
- ▶ Seamless membrane
  - ▶ Rapid and flame-free installation
  - ▶ Bridges cracks up to 2 mm
  - ▶ Solution for difficult details such as joints



- Recommended systems**
- IKO hybritech Detail page 18
  - IKO hybritech Roof page 18
  - IKO tanetech Detail page 19
  - IKO tanetech Roof page 19
  - IKO tanetech Balcony page 19
  - IKO metatech Detail page 20
  - IKO metatech Roof page 20
  - IKO metatech Balcony page 20
  - IKO metatech Car park page 20

# THE IKO FLEXIA SYSTEMS

## IKO hybritech

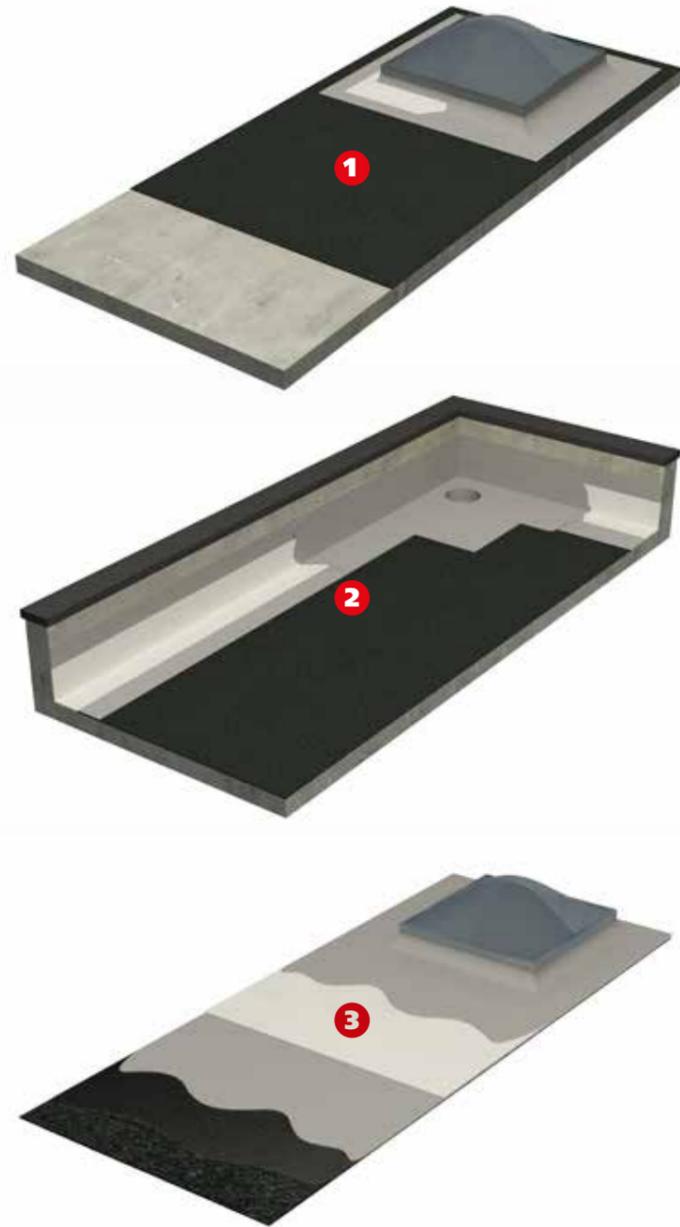
In IKO hybritech systems, the waterproofing consists of a revolutionary liquid waterproofing product. This single-component product is solvent-free, isocyanate-free, odourless and based on hybrid polymers with excellent mechanical properties and hardness. The waterproofing product is installed quickly, as the second layer is installed wet-on-wet on the first layer.

### ADVANTAGES

- ▶ Easy to use
- ▶ Fast installation: wet-on-wet
- ▶ Solvent-free and odourless
- ▶ Isocyanate-free
- ▶ Longer curing time - no potlife

### Available IKO hybritech systems:

- 1 IKO hybritech Detail
- 2 IKO hybritech MS Detail
- 3 IKO hybritech Roof



You can find more information about these liquid waterproofing systems in the relevant technical installation guidelines at [www.ikoflexia.com](http://www.ikoflexia.com).

## IKO tanetech

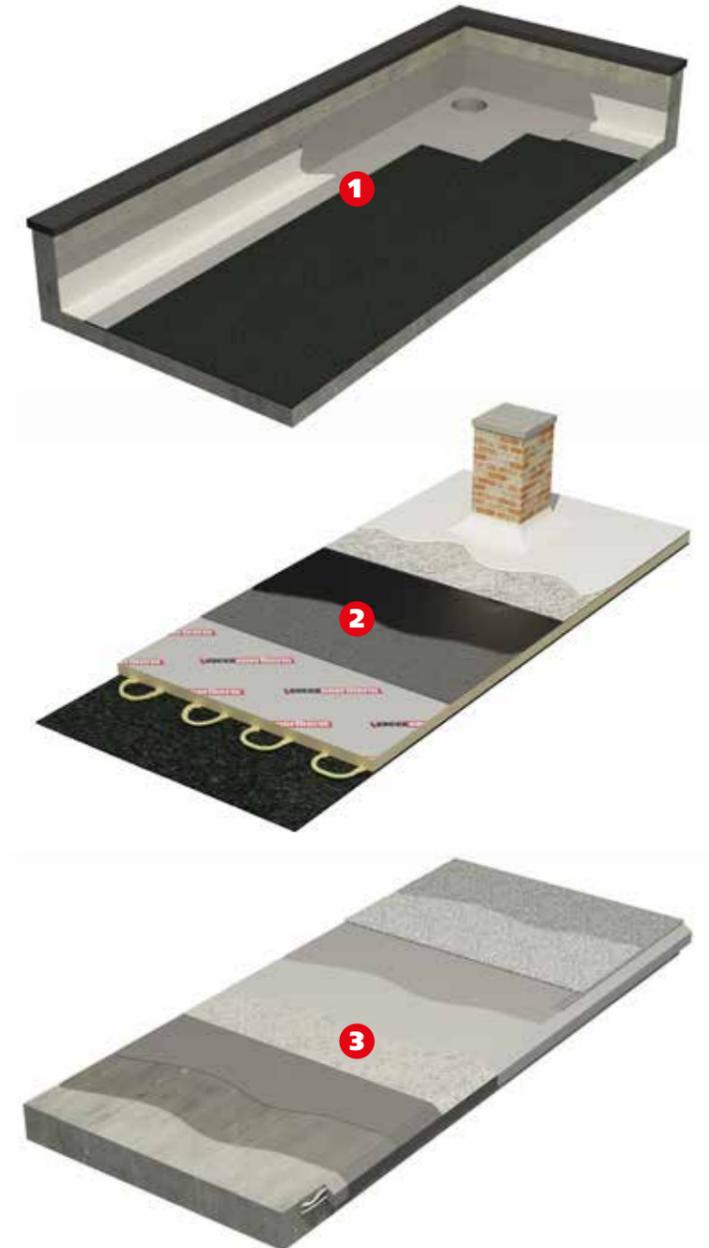
In IKO tanetech systems, the waterproofing consists of a single-component liquid waterproofing product with solvents based on polyurethane. IKO consciously opts for aliphatic PU polymers with an excellent resistance against UV aging.

### ADVANTAGES

- ▶ Easy to use
- ▶ Proven moisture-curing PU technology
- ▶ Longer curing time - no potlife
- ▶ Highest classifications according to ETAG005

### Available IKO tanetech systems:

- 1 IKO tanetech Detail
- 2 IKO tanetech Roof
- 3 IKO tanetech Balcony



You can find more information about these liquid waterproofing systems in the relevant technical installation guidelines at [www.ikoflexia.com](http://www.ikoflexia.com).

## IKO metatech

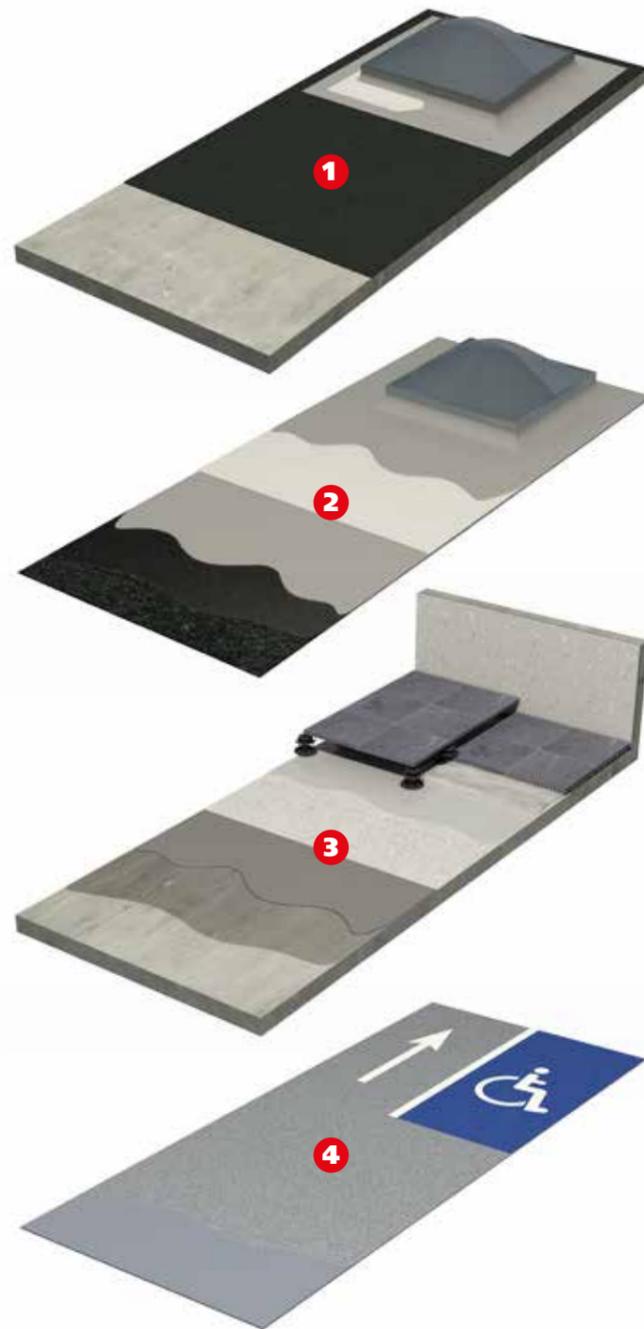
In IKO metatech systems, the waterproofing consists of a two-component liquid waterproofing product based on PMMA. The waterproofing product is applied quickly, as the second layer is applied wet-on-wet to the first layer and cures quickly in just 45 minutes. The IKO metatech systems are thus ideal for surfaces that need to be released quickly.

### ADVANTAGES

- ▶ Fast installation: wet-on-wet
- ▶ Fast curing - fast release
- ▶ Installation possible under less good weather conditions
- ▶ Highest classifications according to ETAG005

### Available IKO metatech systems:

- 1 IKO metatech Detail
- 2 IKO metatech Roof
- 3 IKO metatech Balcony
- 4 IKO metatech Car Park



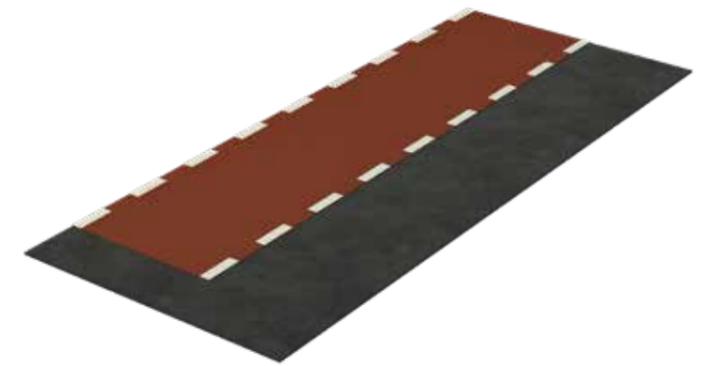
You can find more information about these liquid waterproofing systems in the relevant technical installation guidelines at [www.ikoflexia.com](http://www.ikoflexia.com).

## IKO route HD

IKO route HD is a hard and driveable two-component coating based on PMMA. The product is applied quickly and cures quickly in just 45 minutes. It may or may not be mixed with aggregates to obtain a certain slip resistance.

### ADVANTAGES

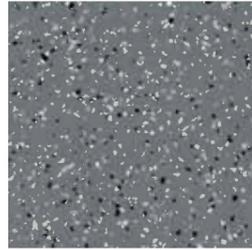
- ▶ Fast curing - fast release
- ▶ Available in multiple colours as standard
- ▶ Installation possible under less good weather conditions



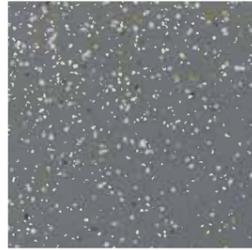
You can find more information about these liquid waterproofing systems in the relevant technical installation guidelines at [www.ikoflexia.com](http://www.ikoflexia.com).

# DECORATIVE FINISHES

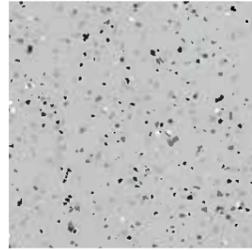
## For IKO tanetech



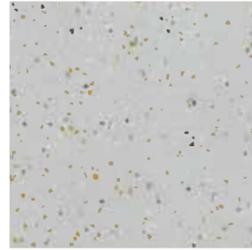
RAL7045 with grey IKO deco Chips (partial)



RAL7045 with beige IKO deco Chips (partial)



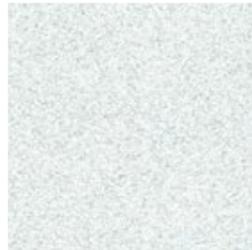
RAL7047 with grey IKO deco Chips (partial)



RAL7047 with beige IKO deco Chips (partial)



Dark IKO micro Chips



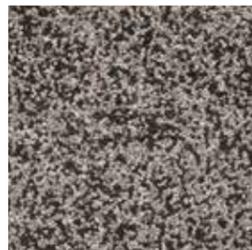
Light IKO micro Chips



Grey IKO quartzsand 0,3-0,6



Beige IKO quartzsand 0,3-0,6



IKO quartzsand 0,6-1,2  
Mixed Grey



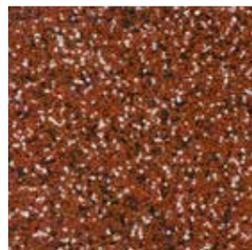
IKO quartzsand 0,6-1,2  
Grafito Eine



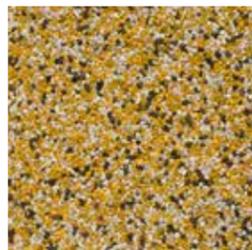
IKO quartzsand 0,6-1,2  
Nature



IKO quartzsand 0,6-1,2  
Grafito BM47



IKO quartzsand 0,6-1,2  
Red Brick



IKO quartzsand 0,6-1,2  
Yellow Beach



IKO quartzsand 0,6-1,2  
Wimbledon Green



IKO quartzsand 0,6-1,2  
Terracotta

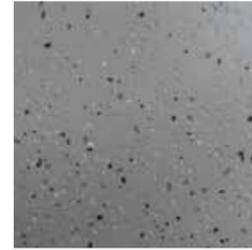


RAL7045 IKO design

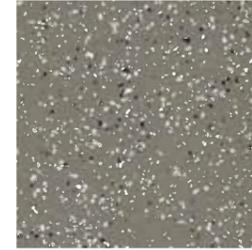


RAL7047 IKO design

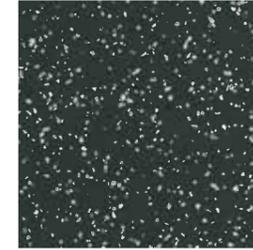
## For IKO metatech



RAL7035 with grey IKO deco Chips (partial)



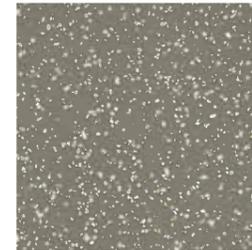
RAL7030 with grey IKO deco Chips (partial)



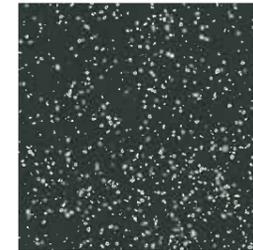
RAL7043 with grey IKO deco Chips (partial)



RAL7035 with beige IKO deco Chips (partial)



RAL7030 with beige IKO deco Chips (partial)



RAL7043 with beige IKO deco Chips (partial)



Dark IKO micro Chips



Light IKO micro Chips



Grey IKO quartzsand 0,3-0,6



Beige IKO quartzsand 0,3-0,6



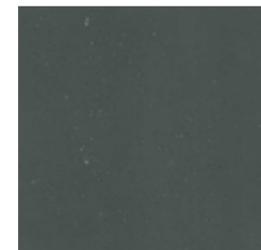
Transparent IKO design



RAL7035 IKO design



RAL7030 IKO design



RAL7043 IKO design



Transparent IKO dorsilit 1 mm



RAL7035 IKO dorsilit 1 mm



RAL7030 IKO dorsilit 1 mm



RAL7043 IKO dorsilit 1 mm