



# SIKA BALCONY AND WALKWAYS WATERPROOFING SYSTEMS

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## Introduction

Balconies, terraces and walkways, like all other parts of a property, require maintenance. Most of these balconies, terraces and walkways consist of concrete elements, where the lack of an effective waterproof membrane will allow water to penetrate and cause deterioration.



Sika Limited has developed a number of high quality balcony systems to avoid and solve this problem. Depending on the requirements, a range of certified guaranteed systems by Sika are available.

Sika Limited offers a complete solution for concrete balcony structures, applied over a variety of different substrates, including asphalt. For additional details, see the individual data sheets on our website.

# SIKA BALCONY AND WALKWAYS WATERPROOFING SYSTEMS

## Our Support and Technology



### OUR SUPPORT

We are here to help, with over 30 years' experience in resin flooring and 100 years in construction, you can trust that our advice will be based on practical knowledge and experience. Sika have a national technical support team available, offering site inspections, recommendations and advice.

Once you are ready to go ahead with the work Sika can provide an independent list of experienced contractors.

- Other balcony solutions available from Sika include:
- Concrete Repair - Protective sealers and coatings to prevent water/chloride ingress
  - Structural Strengthening - Composite materials for structural strengthening/reinforcing
  - Joint Sealing - Elastomeric joint sealants for expansion joints.



### THE TECHNOLOGY

Sikafloor® Moisture Triggered Systems incorporate a unique technology that allows the material to use atmospheric moisture to trigger the curing process.

This means that the waterproofing membranes are capable of curing in a wide range of conditions. Soon after application (ca. 10 minutes), the freshly applied membrane will show no adverse reaction to water. Our PMMA based systems offer controllable rapid curing, the ability to work during the winter months and dynamic crack bridging capabilities even in temperatures as low as -20°C.

### STANDARD DETAILS FOR SYSTEMS


We have a range of details to complement any balcony design. These fit with any build up system listed in this brochure. Visit our website to download the relevant standard detail information sheet.




# SIKA BALCONY AND WALKWAYS WATERPROOFING SYSTEMS

Our Systems


OUR BALCONY SYSTEMS INCLUDE THE FOLLWOING FEATURES



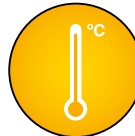
**ONE COMPONENT**  
- mixed thoroughly prior to application




**SLIP RESISTANCE**




**CRACK BRIDGING**  
- elastic to prevent cracking




**THERMAL SHOCK**  
- not influenced by external exposure




**UV RESISTANCE**



**EASY TO CLEAN**



**QUICK APPLICATION FOR MINIMUM DOWNTIME**

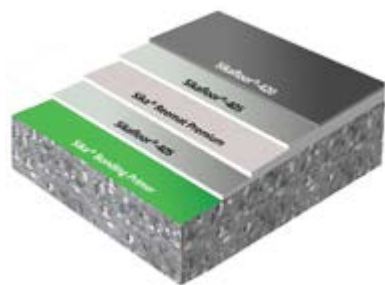


**LOW TEMPERATURE APPLICATION**

## Sikafloor® BALCONY WATERPROOFING SYSTEMS

ETAG approved waterproofing balcony systems

### Sikafloor® Balcony 10



**PRIMER:** Sika® Bonding Primer  
**FIRST COAT:** Sikafloor®-405  
**MEMBRANE:** Sika® Reemat Premium  
**SECOND COAT:** Sikafloor®-405  
**SEAL COAT:** Sikafloor®-420  
**THICKNESS:** 1.5 - 5mm



NB A PU accelerator can be added to increase the cure rate in cold weather conditions

**Colour Range**



RAL 7015      RAL 7032      RAL 7042      RAL 7047

### Sikafloor® Balcony 15



**PRIMER:** Sika® Bonding Primer  
**FIRST COAT:** Sikafloor®-405  
**MEMBRANE:** Sika® Reemat Premium  
**SECOND COAT:** Sikafloor®-405  
**THIRD COAT:** Sikafloor®-405  
**SEAL COAT:** Sikafloor®-420  
**THICKNESS:** 3 - 4mm



### Sikafloor® Balcony 20



**PRIMER:** Sika® Bonding Primer  
**FIRST COAT:** Sikafloor®-405  
**MEMBRANE:** Sika® Reemat Premium  
**SECOND COAT:** Sikafloor®-405  
**SEAL COAT:** Tile, paver  
**THICKNESS:** 2mm



NOTE: Printed colours are indicative only. Because of the printing process, a slight variation from the original printed colors is possible. For reference always ask for an original color sample.

# SIKA BALCONY AND WALKWAYS WATERPROOFING SYSTEMS




Our Systems

## Sikafloor® BALCONY REFURBISHMENT SYSTEM





**PRIMER:** Sika® Bonding Primer  
**FIRST COAT:** Sikafloor®-420  
**SEAL COAT:** Sikafloor®-420,  
**THICKNESS:** 1 - 2mm

### Colour Range



RAL 7030      RAL 7032      RAL 7035



RAL 7037      RAL 7040

IPT available on request



NB A PU accelerator can be added to increase the cure rate in cold weather conditions

## Sikafloor® BALCONY ULTRA FAST CURE SYSTEMS

### Sikafloor® Balcony Flex



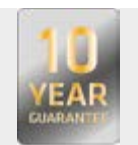
**PRIMER:** Sikafloor®-10 Pronto  
**FIRST COAT:** Sikafloor®-15 Pronto  
**SEAL COAT:** Sikafloor®-18 Pronto  
**THICKNESS:** 1.5 - 2mm





### Sikafloor® Balcony Dynamic





**PRIMER:** Sikafloor®-10 Pronto  
**FIRST COAT:** Sikafloor®-32 Pronto  
**MEMBRANE:** Sika® Reemat Premium  
**SECOND COAT:** Sikafloor®-32 Pronto  
**THIRD COAT:** Sikafloor®-32 Pronto (filled) and broadcast  
**SEAL COAT:** Sikafloor®-18 Pronto  
**THICKNESS:** 5 - 6mm



### Colour Range



RAL 7001      RAL 7023



RAL 7031      RAL 7035

# SIKA BALCONY AND WALKWAYS WATERPROOFING SYSTEMS

Our Case Studies

## GOLFDRUM, FIFE

Sikafloor® Pronto System



As part of improvement works by Fife Council to upgrade its ageing housing stock in Dunfermline Scotland, John Douglas Home in Golfdrum Street was externally refurbished with new waterproofing systems for the balconies and walkways. For a visually attractive, watertight and non-slip finish for the walkways, as well as a fast-curing application to minimise downtime, Sika's Sikafloor® Pronto flooring system provided an ideal solution for the contractor and client. The Sikafloor® system ensured the repair works could be carried out quickly, efficiently and with minimal impact on residents during the harsh winter weather.

For any external flooring system, impact resistance and watertightness will always be a priority during the specification process. Following preparation of the existing surface, to achieve a sound, grippable substrate, the Sikafloor®-10 Pronto primer was applied before a Sikafloor-15 Pronto base-coat. Specified for its flexibility, reliability and anti-slip properties, the system was completed with Sikafloor®-18 Pronto, to provide an attractive finish.

The fast application process allowed the refurbishments to be carried out at John Douglas Home with the minimum of disruption to residents.

Sikafloor® Pronto can also be applied in a wide range of climatic conditions, and is specifically suitable for lower temperatures, making it an ideal solution for the vagaries of the harsh Scottish winter weather.

As an alternative to traditional finishes, Sikafloor® systems can serve any number of specifier demands on a wide range of projects. An ideal choice to meet the high aesthetic requirements of commercial and public buildings, Sikafloor® can also be used in schools, offices and retail, as well as meeting the strict hygiene standards of the healthcare industry.

Systems can be individually designed in order to fulfil many different requirements, such as crack-bridging properties, and impact or temperature resistance. Utilising the quality products, design support and many years practical experience of Sika, the Golfdrum Street project was completed within budget and with minimal disruption to the residents – ensuring the client's needs and expectations were met.

# SIKA BALCONY AND WALKWAYS WATERPROOFING SYSTEMS

Our Case Studies

## MIXENDEN COURT, HALIFAX

Sikafloor®-415 Balony System, Sika® MonoTop® concrete repair, Sikagard®-675W anitcarbonation coating



With the requirement for a cost effective, reliable and efficient way to repair damaged concrete surfaces, and extend the life of four tower blocks in Halifax, leading concrete repair specialist, JDF Restoration, specified an advanced concrete repair system from global building product manufacturer Sika. Built in the 1965, the four 15 storey tower blocks in Mixenden required refurbishment due to concrete deterioration. With the intention of repairing and protecting, to provide longevity and extend the life of the buildings, the specification included the Monotop repair system and the anti-carbonation coating Sikagard®-675W ElastoColor for the reinforced concrete frame, with the fast cure balcony coating Sikafloor®-415 for the recoating to the balconies.

These systems have an impressive track record which goes back more than 15 years and conform to the performance requirements of EN 1504: the European Standard for the protection and repair of reinforced concrete, demonstrating Sika's long term, technically correct construction solutions. JDF applied Sika® MonoTop® – a cementitious two-component system consisting of polymer modified mortars – to make primary repairs to the concrete frame of each block prior to cladding. With good resistance to water and chloride penetration, the system provides long term protection to prevent future damage to the buildings' concrete structure. For the balcony repairs, a fast application process that would allow the extensive refurbishments to be carried out with the minimum of disruption to residents was required. With its

ability to be laid and trafficked in the same day, the Sikafloor®-415 Elastomeric walkway and balcony system proved the ideal solution. To provide an overall layer of protection, and in order to match the existing surfaces, the JDF operatives cleaned the reinforced concrete frame of any contaminants, using a jet washing process, before the application of Sikagard®-675W ElastoColor. Used to aesthetically enhance concrete substrates and particularly suited as a final protective coating for façades, the anti-carbonation treatment provides a high quality, yet economical water-based, acrylic coating, to protect against weathering and ageing.

Sika's concrete repair and protection solutions are designed to rehabilitate concrete surfaces back to their original quality.

Concrete repair mortars, anti-corrosion coatings, corrosion inhibitors, reinforcement corrosion protectors, and the full Sika® Galvashield® range of embedded galvanic anodes, make up the extensive range that Sika offers. Suitable for a wide range of concrete repair applications, from bridges to social housing, car parks to commercial buildings, all of these products are backed up by a highly experienced technical team, who offer expert specification advice and support. With the works now complete, Sika offered the perfect regeneration solution for the refurbishment and long term protection of these residential tower blocks.

# SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:



**WATERPROOFING**



**CONCRETE**



**REFURBISHMENT**



**MERCHANT**



**SEALING AND BONDING**



**FLOORING**



**ROOFING**



**INDUSTRY**

## FOR MORE INFORMATION:



### WHO WE ARE

Sika Limited and Sika Ireland Limited are part of the global Sika Group, specialising in the manufacture and supply of chemical based products. Sika have a leading position in the development and production of systems and products for bonding, sealing, damping, reinforcing, and protecting in the building sector and the motor vehicle industry. Sika has subsidiaries in 97 countries around the world and manufactures in over 190 factories. With over 17,000 employees Sika generates annual sales of CHF 5.75 billion (£4.69bn). We are also committed to providing quality, service, safety and environmental care.

In the UK and Ireland, we provide market-leading solutions for concrete, waterproofing, roofing, flooring, refurbishment, sealing & bonding, and industry, and have manufacturing sites in Welwyn Garden City, Preston, Leeds and Dublin with more than 700 employees and a turnover of more than £220 million.

The information, and, in particular, the recommendations relating to the application and end use of Sika® products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. Please refer to our homepage [www.sika.co.uk](http://www.sika.co.uk) for our current standard terms & conditions applicable to all orders. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.



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