



# PROFILED METAL ROOF SOLUTIONS Sika<sup>®</sup> Pro-Tecta RANGE

SIKA **PRO-TECTA**

BUILDING TRUST



# AN INTRODUCTION TO SIKA LIQUID PLASTICS



“A COLD APPLIED LIQUID SOLUTION FOR EVERY JOB,  
NO MATTER THE BUDGET OR COMPLEXITY”

**Quality and innovation are just two of the characteristics replicated throughout Sika Liquid Plastics – visible in our products, manufacturing processes, and research & development.**

Since 1963 we have produced an extensive range of high performance, technologically advanced coatings and membranes for the protection and waterproofing of roofs and balconies.

Also available is a complete range of cold applied built-up roofing systems, including warm roofs, inverted roofs, and green roof finishes.

As a member of the Sika worldwide group, the demand for our products stretches across the globe, and many successful projects have been completed in the Middle East, USA, and Europe.



# Sika® Pro-Tecta PROFILED METAL ROOF SOLUTIONS



Metal sheeting has remained popular across many sectors, including industrial, retail, and leisure. The main driving factor is often the ease and speed at which the framework structure of the building can be erected, and the envelope encapsulated.

In the context of metal sheeting, used as a pitched roofing material, large profiled roof sheets are often an attractive proposition, because of a good coverage rate per sheet, and their ability to discharge water effectively over a large area.

However, exposure factors, such as geographical location, combined with the type of sheet, and its coating, will greatly influence the lifespan of metal roofs. At some point, most metal roofs will require maintenance and attention, to address possible degradation of the protective coating, and in some cases, corrosion of the metal sheet core, risking the primary waterproofing function.

As a market leader in liquid applied roof membranes, Sika Liquid Plastics has a strong and proven background in providing high performance waterproofing coatings for metal roofs, across the country – successfully extending service life, backed by guarantee.

Sika Liquid Plastics now looks to build on this even further, by expanding its range of metal roof coating systems, to provide a solution for every project requirement, and every budget, within the new Sika® Pro-Tecta range.

**SIKA PRO-TECTA**



# Sika® Pro-Tecta CE CUT EDGE CORROSION SOLUTIONS



Corroded roof sheet

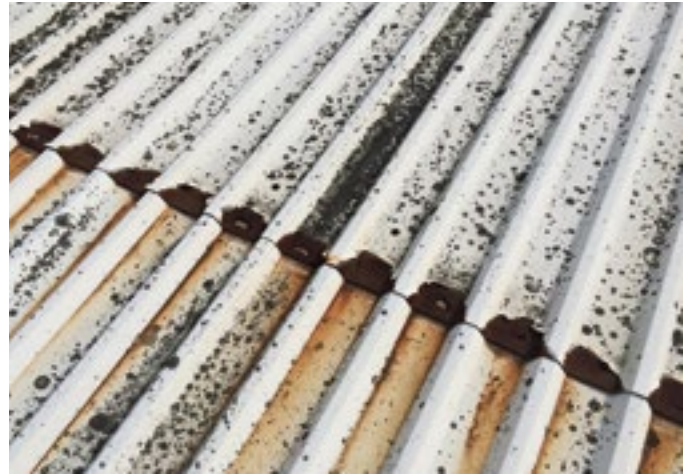
Cut edge corrosion is a common issue, found in aged and weathered metal roof sheets, with its roots in the way they are cut at the point of manufacture.

Coated metal roof sheets are often manufactured as larger units, and cut to size as required. As a result, the cut often leaves the leading edge of the sheet uncoated and exposed.

The action of natural weathering, over time, can start to corrode the exposed edge of the sheet, causing the protective coatings to peel away, revealing the bare metal core to further corrosion.

If left untreated, this process will continue and potentially threaten their primary waterproofing function.

Sika® Pro-Tecta CE has been developed and tested as an effective surface treatment for the onset of cut edge corrosion, designed to extend service-life, where the sheets remain structurally sound, and the primary waterproofing function has not been compromised.



Corroded roof sheet

The Sika® Pro-Tecta CE system consists of:

■ **Sika® Poxicolor HE New**

A state-of-the-art primer, specifically developed by Sika to be applied in a single coat, to manually prepared surfaces, to St2 or St3, in accordance with ISO 8501

■ **SikaCor® EG-5**

A high performance, acrylic polyurethane, which is applied in two coats, creating a hardwearing system that has unrestricted usage, achieving high levels of corrosion and backed by a 10-year material guarantee

**Full maintenance coating systems:**

Sika also offers a range of non-waterproofing, full maintenance coatings for metal roof systems, available in a variety of different colours. Contact your local Area Technical Manager or Sika Technical Customer Services for more information.

**SIKA® PRO-TECTA**  
**CE**



Sika® Pro-Tecta CE



Sika® Pro-Tecta CE

**SYSTEM FEATURES:**

**Sika® Poxicolor HE New: Primer**

- Can be installed on manually prepared surfaces to St2 or St3
- Fast drying and high-build
- Excellent coverage rates

**SikaCor® EG-5: Coating**

- Very good corrosion protection properties
- Excellent chemical, weather and colour stability
- Tough and elastic
- Resistant to shock and impact
- Available in a range of colours

**System**

- Unrestricted use across Ireland, including coastal areas\*
- High levels of corrosion protection
- Can be installed on a range of metal sheet types - including coated and uncoated

\*check with your local Area Technical Manager



**SYSTEM BUILD UP:**

- SikaCor® EG-5 (two coats)
- Sika® Poxicolor HE New
- Prepared metal roof sheet
- Corroded roof sheet



# SIKA® PRO-TECTA WP WATERPROOFING SOLUTIONS



Sika® Joint Tape SA

Whilst remedial treatments such as Sika® Pro-Tecta CE will be a good choice for early maintenance, it is very often the case that metal roof systems require a more extensive refurbishment solution, particularly where sheets are damaged or leaking.

Sika Liquid Plastics has extensive experience in the full waterproofing of metal roof systems, using our high performance liquid membranes.

The specification of our liquid systems, as a full waterproofing solution, offers many benefits, including, cost, speed of application, and minimal disruption to building operations - backed by a full waterproofing guarantee.

Sika® Pro-Tecta WP is our new and enhanced waterproofing system, which has been engineered around our two flagship polyurethane membranes: Sikalastic®-625 and Sikalastic®-641 - low odour, as a low odour option.



Sika® Joint Tape SA

Key to the enhancement of our waterproofing system is the incorporation of a new and innovative self-adhesive tape called Sika® Joint Tape SA. The tape is used as a single-solution for the reinforcement of side-laps, end-laps, and bolt-heads, prior to the application of our liquid coatings, without the need for additional specialist reinforcement coatings.

Reinforcement of laps and bolt-heads is often one of the most time-consuming elements associated with the installation of liquid waterproofing systems on metal roofs. Thanks to the introduction of Sika® Joint Tape SA, installation time is dramatically reduced, allowing Sika Liquid Plastics to greatly simplify the system.

## ADDITIONAL SOLUTIONS FOR METAL ROOFS

### Safety:

Fall protection systems



### Accessories:

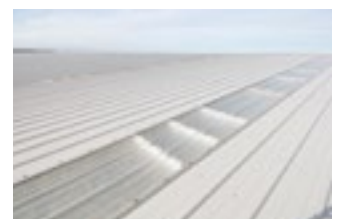
Fixings: Fixing specification and replacement service



**SIKA® PRO-TECTA**  
**WP**



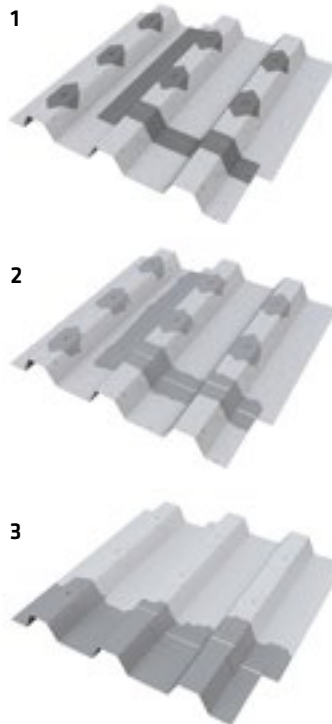
In-plane roof lights





#### SYSTEM FEATURES:

- Very few components
- Engineered around our market-leading polyurethane membranes
- Simple, single-solution for reinforcement of laps and bolt-heads
- Single coating solution for the whole roof
- Low odour option with Sikalastic®-641
- Full technical and specification support, including on-site inspections and sign-off
- 10-year and 15-year guarantees available
- BBA accredited



#### SYSTEM BUILD UP:

- Sikalastic®-625 or Sikalastic®-641 - low odour (two coats)
- Light application of coating to Sika® Joint Tape SA
- Sika® Joint Tape SA (side laps, end laps and bolt heads)
- Existing substrate\*
- \*Prime as required

**SIKA® PRO-TECTA**  
  
**WP**

# SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:



**LIQUID APPLIED ROOFING**



**SINGLE PLY ROOFING**



**CONCRETE**



**CONCRETE REPAIR**



**STRUCTURAL STRENGTHENING**



**WATERPROOFING**



**JOINT SEALING**



**FAÇADE STRUCTURAL ADHESIVES**



**FLOORING**



**INDUSTRY**



**DISTRIBUTION**



**BUILDING TRUST**



## 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 has 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 101 countries around the world and manufactures in over 300 factories. With more than 25,000 employees Sika generates annual sales of CHF 8.1 billion (£6.6 bn). 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, Wishaw and Dublin with more than 1000 employees and a turnover of more than £270 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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