



Advanced Single Ply Roofing System



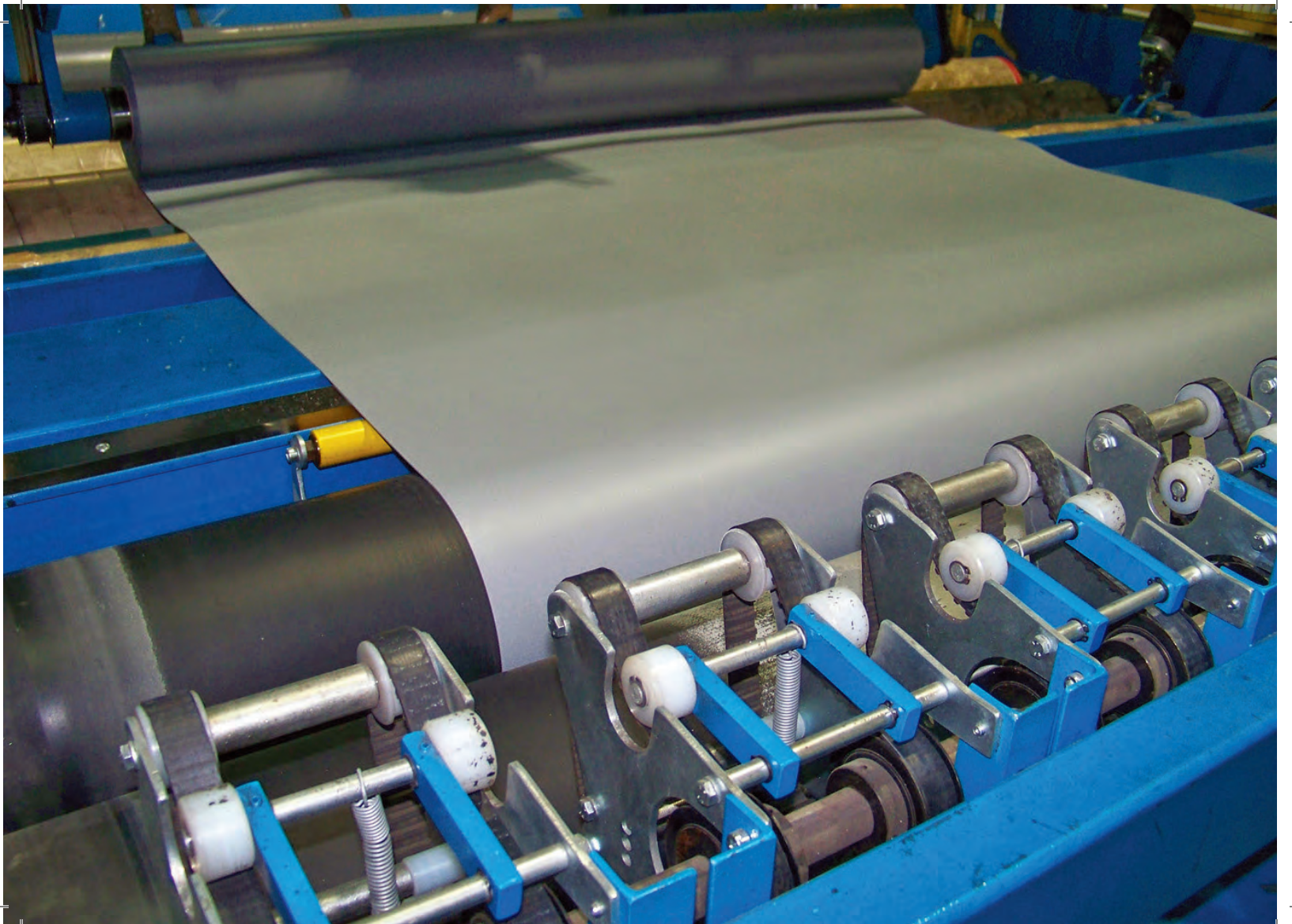


Spectraplan roofing system... it's even better than you expected



Incorporating IKO Polymeric's unique TPE formulation, Spectraplan delivers class-leading waterproofing and roof protection in the modern built environment.





Spectraplan

A high performance solution to today's modern construction needs

Manufactured in the UK at the industry's most advanced facility, our approach to quality begins with sourcing the finest raw materials, extends to rigorous sampling and laboratory testing and finally to batch coding, to allow traceability of products on site.

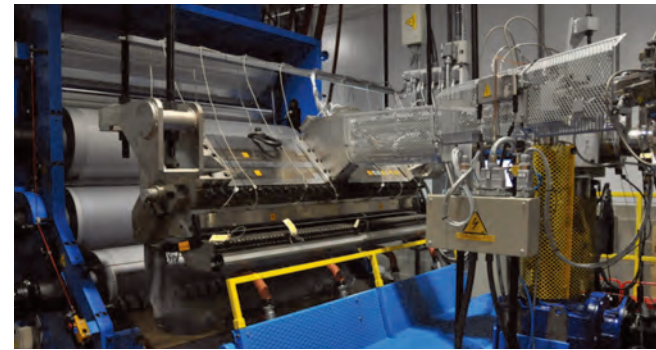
Our state-of-the-art extrusion technology allows uniform thickness control, whilst cutting edge camera detection identifies the imperfections in the membrane and guarantees the highest quality in every roll that we manufacture.

Underpinning IKO Polymeric's commitment to quality is a dedication to protecting the environment. At the heart of our ISO 14001 certified manufacturing facility lies a one pass operation to significantly reduce carbon emissions, whilst all production waste is recycled and reused to ensure maximum efficiency.

Faster and Simpler Installation

The standard 1.2mm thick Spectraplan membrane has excellent levels of flexibility and elasticity due to IKO Polymeric's unique TPE formulation. Installers have confirmed that these characteristics enable them to deliver a high quality installation in significantly less time. Importantly, Spectraplan membranes are perfectly suited to the practicalities of the modern building site.

Spectraplan membranes can be welded when exposed to dirt, dust or moisture and do not need to be prepared using aggressive solvent cleaners.





The complete solution across a range of applications

The Product Range

SPECTRAPLAN SM

Polyester reinforced membrane for mechanically fixed systems.

SPECTRAPLAN SG

Fleece backed membrane for adhered applications.

SPECTRAPLAN D

Homogenous membrane for use on complex detailing.

SPECTRAPLAN WALKWAY

Heavy duty walkway membrane with slip resisting surface.

Key Benefits

- Advanced polymer technology
- Environmental advantages
- No need for solvent cleaning or preparation
- Compatible with bitumen & expanded polystyrene
- High resistance to ageing and wind uplift
- Non capillary construction - does not absorb moisture
- Resistance to root penetration
- Excellent welding characteristics
- Elasticity
- Complete range of fixings & accessories

SM, SG and D membranes are available in Light Grey (RAL 7035) and Dark Grey (RAL 7011)



System Accessories

IKO Polymeric is able to offer a full range of accessory items to perfectly complement its range of waterproofing membranes.

- IKO Enertherm PIR Insulation
- IKOfix mechanical attachments
- Preformed outlets
- Adhesives, cleaners and liquids
- Vapour control layers
- Other ancillaries such as standing seam profiles, lightning conductor clips and coated metal.

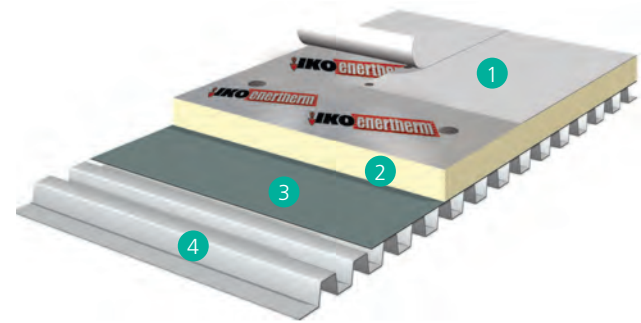


Typical Spectraplan Build-Ups

Spectraplan SM

Mechanically fastened roofing system

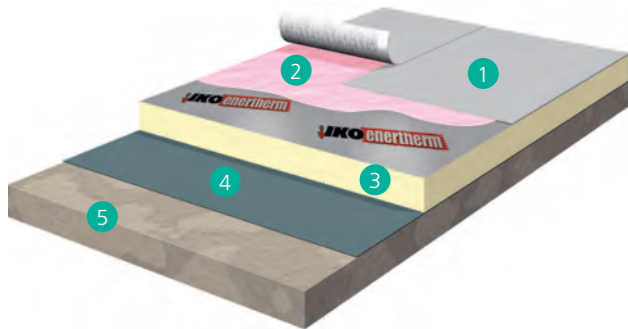
1. Spectraplan membrane mechanically fixed
2. IKO Enertherm ALU insulation
3. Vapour control layer
4. Structural deck



These drawings represent typical roof build-ups. IKO Polymeric's Technical Services Team can advise on specific design elements required for individual projects. For specialist applications or build-up advice, please contact technical services on 01257 488 012.

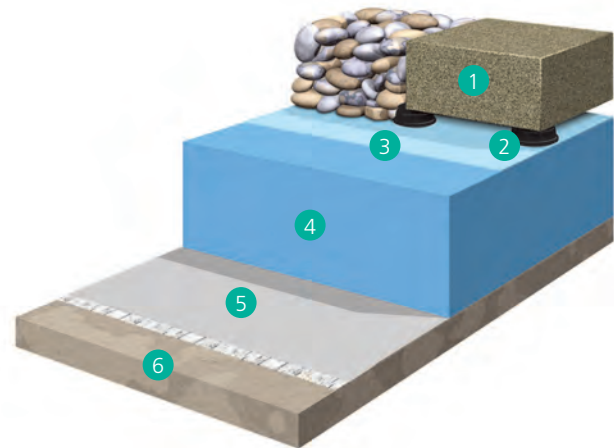
Spectraplan SG Adhered roofing system

1. Fleece backed Spectraplan membrane
2. IKOpro PU Adhesive
3. IKO Enertherm insulation
4. Vapour control layer
5. Structural deck



Spectraplan SM Inverted and ballasted roofing system

1. Ballast and/or concrete loading coat
2. Paving support pads
3. IKO Separation Layer
4. Extruded polystyrene (loose laid)
5. Spectraplan membrane (loose laid or fixed onto IKO Separation Fleece)
6. Structural deck



More than just the most advanced
single ply roofing system available

Spectraplan meets the needs of the installer
and the building owner, whilst supporting the
broader objectives of the construction industry.



Minimal Environmental Impact

In addition to reducing installation time, Spectraplan's TPE formulation is free from halogens such as chlorine and bromine. Softeners, (H)CFCs and heavy metals are also absent. Spectraplan can be used in water storage applications or where rainwater discharges directly into surface drains. And, even at the end of its long life, Spectraplan TPE membranes can be widely recycled.



Safe and Secure

Spectraplan is designed to resist even the most extreme natural elements. Its fire resistance complies with European fire standard ENV1187 and TPE's special properties ensure that even if ignition occurs, toxic gases and smoke are not produced. Additionally, the mechanically fixed system has a particularly high resistance to wind up-lift.

Reduced Supply Chain

Spectraplan is manufactured in the UK by IKO Polymeric in a purpose built plant at Clay Cross, Chesterfield. This minimises the carbon footprint of transportation to site, particularly when compared to the majority of imported roof membranes.

Low Maintenance

A mild soap solution applied with a soft broom, rubber wiper or pressure washer is all that's required to maintain Spectraplan. As Spectraplan does not absorb moisture and has a very low level of dirt pick-up, small repairs and extra detailing can also be added easily and quickly.

Proven Performance

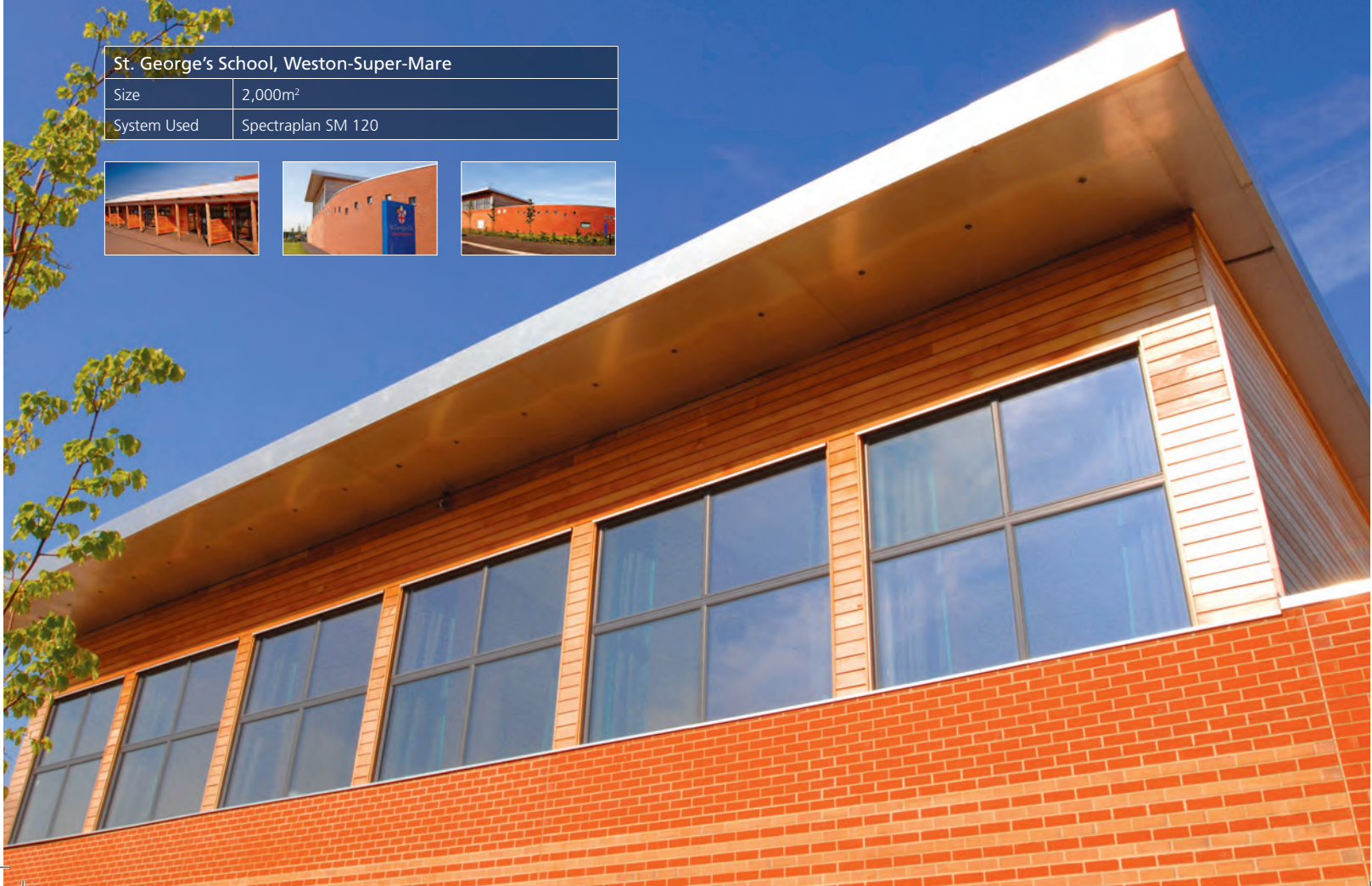
The unique attributes of Spectraplan have been tested and proven on many prestigious construction projects in the UK. This innovative single ply roofing membrane steadfastly defends the very best of our built environment from everything the British weather can throw at it.

Education

St. George's School, Weston-Super-Mare

Size 2,000m²

System Used Spectraplan SM 120



Sir Robert Woodard Academy, Lancing	
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Size	2,000m ²
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System Used	Spectraplan SG 120
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Hope Academy, Newton le Willows	
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Size	6,000m ²
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System Used	Spectraplan SM 120 / SG 120
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Commercial

St. James Place, Cirencester

Size	2,000m ²
System Used	Spectraplan SM 120





Jack Jones House, Liverpool	
Size	700m ²
System Used	Spectraplan SM 120 / SG 120

The Cornwall Hotel & Spa, St Austell	
Size	4,500m ²
System Used	Spectraplan SM 120



Healthcare

Werneth Primary Care Centre, Oldham

Size 1,000m²

System Used Spectraplan SG 120



Architect: bluesky

Architect: Guy Greenfield | Photographer: Paul Tyagi



Dulverton Doctor's Surgery, Somerset

Size	600m ²
System Used	Spectraplan SM 120



Maurice & Vivienne Wohl Campus, Golders Green

Size	4,000m ²
System Used	Spectraplan SG 120

Residential

Bellway Homes, 119 Grand Drive, London

Size 1,900m²

System Used Spectraplan SG 120 & IKO Solar PV System





Riverview Care Home, Witham	
Size	2,150m ²
System Used	Spectraplan SM 120 & IKOgreen Extensive Green Roof

Plummerswood Private Residence, Scottish Borders	
Size	300m ²
System Used	Spectraplan SG 120 & IKOgreen Biodiverse System



Sustainability



British Horse Society, Warwickshire

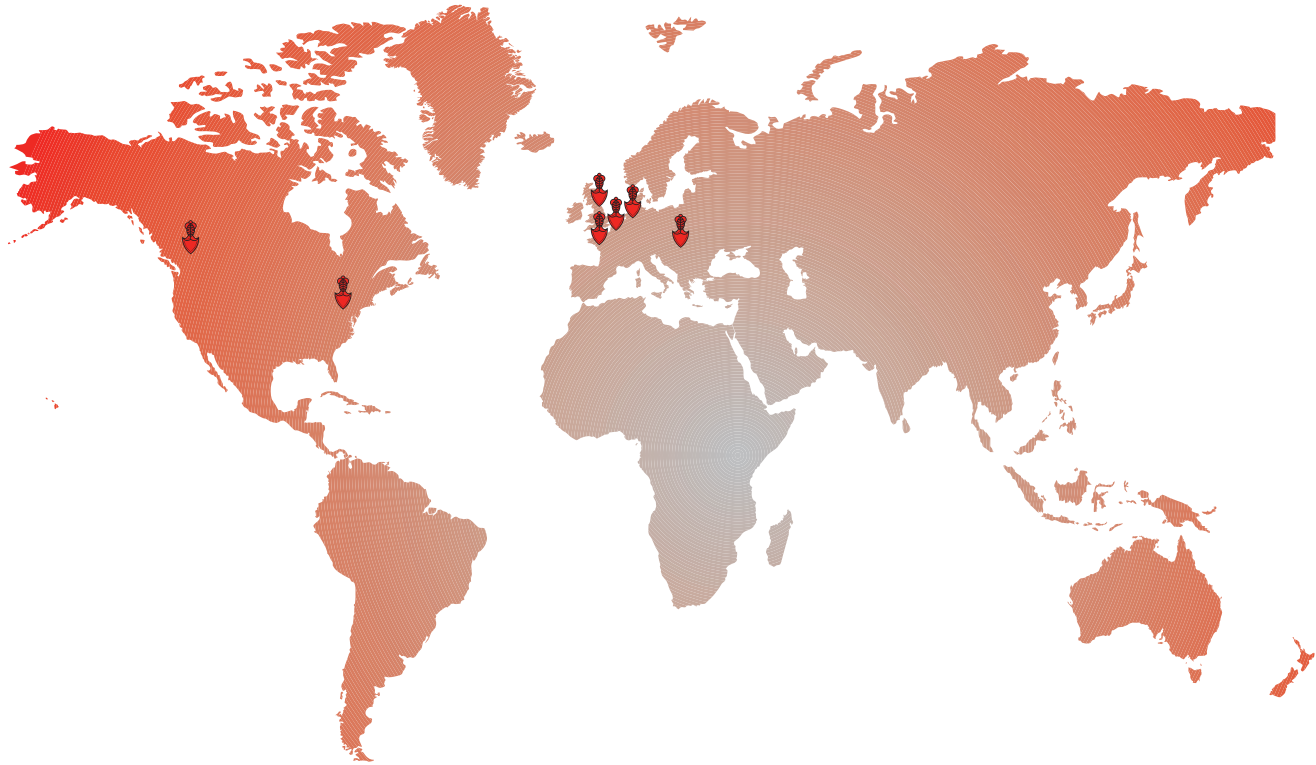
Size	2,200m ²
System Used	Spectraplan SM 120 / IKOgreen Extensive Green Roof

Carlton Digby School, Nottingham	
Size	2,100m ²
System Used	Spectraplan SG 120 / SM 120 & IKO Solar PV System



Monkwood Primary School, South Yorkshire	
Size	2,000m ²
System Used	Spectraplan SG 120 & IKOgreen Extensive Green Roof

IKO is a **worldwide enterprise**, with more than **3000 employees**, and manufacturing plants in Canada, the United States, United Kingdom, Belgium, Holland, France and Slovakia. The company's operations ship products to **96 countries** around the globe.



The IKO Group

Despite tremendous growth, IKO has also remained firmly rooted in its family values of **entrepreneurial spirit, craftsmanship and innovation**. The company maintains the fierce independence of its founder, and his belief in the importance of controlling the raw materials used in the manufacturing process.

IKO also strives to back the **best products** in the industry with the **best service**. The IKO family includes not just the ownership, but the thousands of dedicated employees across its global operations who share the company's ideals of craftsmanship, attention to detail and world class service for our customers. The commitment of IKO's employees is the key pillar in the company's success in today's competitive marketplace.

The ultimate proof of the company's commitment to quality and innovation is its own success. From humble beginnings to a modern manufacturer with global reach, IKO has remained committed to the values that were the foundation of the business envisioned by our founder, **Israel Koschitzky**. That combination of old-time values, combined with cutting edge technology and innovation, means IKO will continue to **Set the Standard** both now and in the future.

IKO in the UK

In the UK, the IKO name has become synonymous with delivering dependable waterproofing solutions backed by supreme levels of customer service. And little wonder. This hard earned reputation has been built on a foundation of quality and an ethos of customer service, which permeates through the organisation and remains as strong today as it did **100 years ago**.

The rewards speak for themselves. IKO PLC is now well established as the **UK market leader** in the design, manufacture and installation of roofing and waterproofing systems. With this enviable position comes an unwavering commitment and responsibility to continue investing in new product solutions, new manufacturing facilities and the industry's largest team of people, all dedicated to achieving excellence at every level.



The IKO Polymeric UK manufacturing plant has BS EN ISO 9001, BS EN ISO 14001 and BES 6001 accreditations*.

It is built using recycled building materials and is designed in accordance with BREEM**, the world's leading and most widely used environmental assessment method for buildings. It also re-uses by-products from manufacture, wraps products in minimal packaging and employs a streamlined transportation network. All materials offered by IKO Polymeric are resistant to weathering, chemical oxidation and UV radiation which ensures long term durability, a key factor in environmental sustainability.

*ISO 9001 is the International Standards Organisation Standard for Quality Management Systems.
ISO 14001 is the International Standards Organisation Standard for Environmental Management Systems.
BES 6001 is the Framework Standard for Responsible Sourcing of Products.

**Building Research Establishment Environmental Assessment Method.

n5sPlus



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