



PVC Single Ply Roofing System





Armourplan® PVC roofing system

Premium waterproofing with a proven track record

IKO Polymeric's Armourplan® PVC roofing system offers flexible and lightweight waterproofing integrity across a wide range of building types.

Manufactured in the UK

Armourplan® membranes are produced in a dedicated manufacturing unit in Chesterfield, UK which has BS EN ISO 9001, BS EN ISO 14001 and BES 6001 accreditations. The latest extrusion technology and computer controlled manufacture ensure consistently high quality whilst also saving on energy and waste.

IKO Polymeric takes responsibility for the effects its business has on the planet. From planning and paperwork, to our manufacturing processes and materials, distribution and use, we consider the environmental impacts throughout the product lifecycle.





Armourplan® Reinforced PVC Roofing Membranes

Armourplan® PVC membranes are suitable for use on a wide range of roofing applications, including specialist installations such as simulated metal roofs.

Armourplan® PVC roofing membranes have been independently approved by the British Board of Agreement (BBA No. 05/4287) to provide a durable roof waterproofing with a service life in excess of 30 years. Armourplan® PVC membrane is also FM approved, conforming to FM Global Standards.



Armourplan offers many benefits including:

- Exceptional mechanical performance
- Long service life
- Choice of colours
- High UV resistance
- Sleek finish
- Secure seam welding quality
- Complete range of fixings and accessories.







Armourplan® membranes benefit from a complete range of accessories including detailing, roof security and IKOfix, a range of mechanical fastening systems for Armourplan®, including synthetic and stainless steel components, depending on the specific requirements of your roof.



Offering exceptional thermal performance, IKO enertherm PIR insulation boards are designed to meet the needs of specifiers and installing contractors. Available in a range of thicknesses and with a choice of facings including mineral glass tissue and tri-ply aluminium multi-layer complex.





The Armourplan® Product Range

Produced in a range of different membranes, each designed for specific applications. The range comes in two standard colours; mid grey (RAL 7046) and slate grey (RAL 7015). Other colours are available to meet project requirements.*

Armourplan® is suitable for warm, cold or inverted roofs.

Armourplan® SM

A polyester reinforced membrane for mechanically fastened roofing systems.

Armourplan® SM is also used as the upstand detailing membrane on Armourplan® SM and SG systems.

Available in either 1.2mm or 1.5mm standard thicknesses.

Armourplan® P

A heavy duty polyester reinforced membrane for use in a wide range of roofing applications on both flat and sloping roofs. Armourplan®P offers enhanced mechanical properties and is completely UV-stable throughout. This membrane can be mechanically fixed, adhered or ballasted.

Armourplan® P is also used as the upstand detailing membrane on Armourplan® P and PSG systems.

Available in 1.2mm standard thickness.

*Minimum volumes and extended lead times required for non-standard colours.

Armourplan® SG

A polyester fleece-backed membrane for bonded roofing systems. The membrane is bonded to the substrate using Spectrabond Low Foaming PU Adhesive or IKOpro Sprayfast FMA Adhesive.

Available in either 1.2mm or 1.5mm standard thicknesses.

Armourplan® PSG

Glass tissue reinforced polyester fleece-backed PVC membrane suitable for both flat and sloping roofs. Adhered onto most common substrates using Spectrabond Low Foaming PU Adhesive or IKOpro Sprayfast FMA Adhesive. Exceptional mechanical performance and weld joint strength.

Available in 1.2mm standard thickness.

Armourplan® D

Un-reinforced homogenous membrane for complex detailing.

Armourplan® G

Glass tissue reinforced PVC membrane for complex detailing.

Armourplan® Walkway

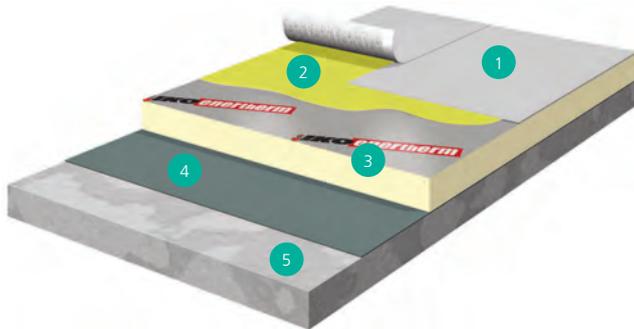
PVC membrane with slip resisting surface for use on walkways.

Typical Armourplan® Build-Ups

Adhered Roofing System

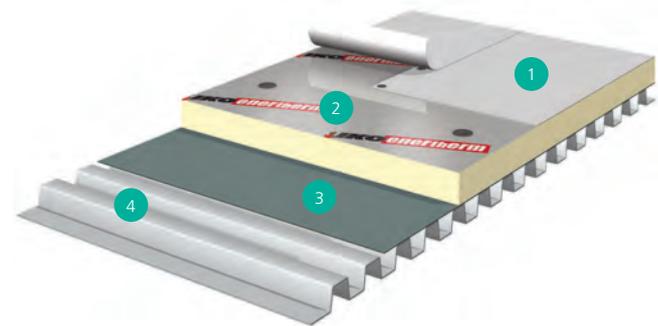
1. Armourplan® PSG*, SG*, SM** or P**
2. IKOpro Low Foaming PU Adhesive, Armourplan® PVC Contact Adhesive or Sprayfast FMA / PCA
3. IKO enertherm ALU or MG Insulation
4. Bonded Bituminous Vapour Control Layer
5. Suitable Deck

*When using IKOpro Low Foaming PU Adhesive or Sprayfast FMA
**When using Armourplan® PVC Contact Adhesive or Sprayfast PCA



Mechanically Fastened Roofing System

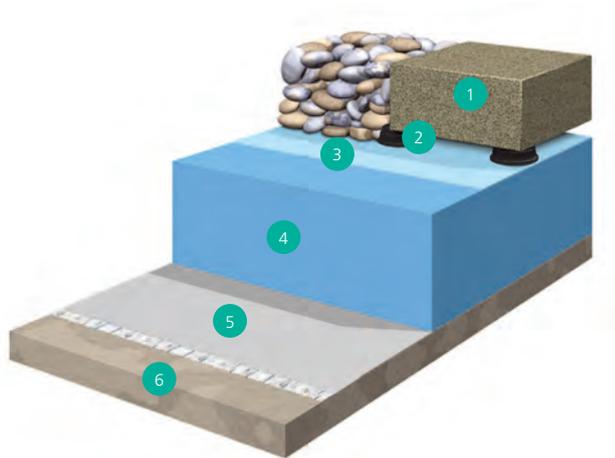
1. Armourplan® SM or Armourplan® P Mechanically Fixed
2. IKO enertherm ALU or MG Insulation
3. Spectravap Polyethylene VCL (or Bonded Bituminous VCL)
4. Suitable Deck



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.

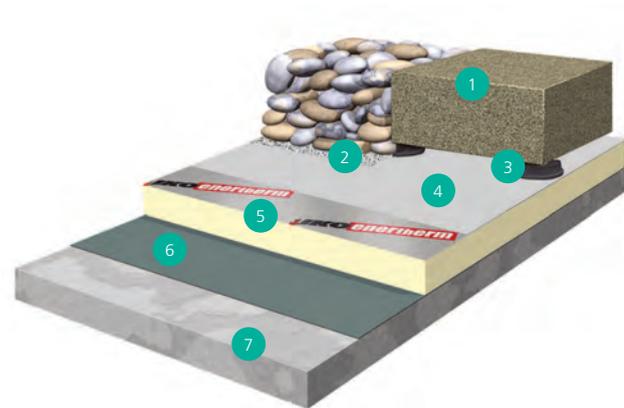
Inverted and Ballasted Roofing System

1. Ballast and/or Concrete Paving Loading Coat
2. Paving Support Pads
3. Spectratex Fleece
4. Extruded Polystyrene (loose laid)
5. Armourplan® SG or PSG (adhered or loose laid)
or Armourplan® P/SM (loose laid or fixed)



Warm Ballasted Roofing System

1. Ballast and/or Concrete Paving Loading Coat
2. Spectratex Fleece
3. Paving Support Pads
4. Armourplan® P, SM (loose laid)
5. IKO enertherm Insulation (loose laid)
6. Spectravap VCL (loose laid)
7. Suitable Deck



Education

Parish Primary School, Bromley

Size	1,000m ²
System Used	Armourplan P 120



Glenthorne School, Surrey	
Size	2,000m ²
System Used	Armourplan SM 120



Hull University	
Size	660m ²
System Used	Armourplan P 120

Commercial

IKEA, Lithuania

Size

28,000m²

System Used

Armourplan SM 150 Mid & Slate Grey





IBIS, Gloucester	
Size	1,100m ²
System Used	Armourplan SM120

Chemviron Carbon, Belgium	
Size	25,000m ²
System Used	Armourplan SM120 Mid Grey



Residential

Bell Lane, Lewes

Size

1,000m²

System Used

Armourplan SM



Coronation Road, Bristol	
Size	1,178m ²
System Used	Armourplan SG



1 Church Road, Richmond	
Size	1,178m ²
System Used	Armourplan SG

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 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 BREEAM**, 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.

n55Plus



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