



**Polymeric Roofing Systems**

# Armourplan SM120

## Product Data Sheet

**1.2mm Reinforced Single Ply PVC Roofing Membrane**

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### Introduction

Armourplan SM120 is a 1.2mm thick polyester-reinforced PVC single ply roofing membrane suitable for use in a wide range of roofing applications on both flat and sloping roofs. The membrane can be installed onto most common substrates and is suitable for both new build and refurbishment installations and for specialist applications such as simulated metal roofs.

Armourplan SM120 can be either mechanically fixed using suitable IKOfix fastenings or adhered and forms a sleek skin on many types of roof application. All overlaps are heat welded using suitable hot-air welding equipment.

### Features and Benefits

- Good UV resistance and durability
- Good mechanical properties and product performance
- Efficient and safe installation
- Secure seam welding quality
- Aesthetically pleasing finish
- Complete range of fixings and accessories available

### Product Details

#### Roll Dimensions

	Thickness	Roll Width Options	Length	Colour
Armourplan SM120	1.2mm	1.06m / 1.50m / 2.12m	20m	Mid Grey or Anthracite

#### Material Composition

Element	Material
Material	PVC-P
Reinforcement	Polyester knitted fabric

### Typical Properties

Property	Test Method	Unit	Result
Weight	EN 1849-2	g/m <sup>2</sup>	1575
Tensile strength	EN 12311-2	N/50mm	MD >1100
			TD >1100
Elongation at break	EN 12311-2	%	MD >20
			TD >20
Tear strength	EN 12310-2	N	MD >200
			TD >200
Dimensional stability 6hrs at 80°C	EN 1107-2	%	MD <0.5
			TD <0.5

Notes: MD – Machine Direction    TD – Transverse Direction

## System Components

To complete the installation of Armourplan SM120, the system includes a wide range of accessories, including detailing and walkway membrane, cover strips, preformed corners and outlets, standing seam profile, pre-coated metal sheet for forming edge details, IKOfix fastening systems and termination bars, insulation and vapour control layers, adhesives, cleaners, sealants and rooflights.

## Other Product Information

IKO Single Ply is a trading division of IKO PLC. Full product literature, health & safety and technical sheets are available as downloads from our website: [www.ikosingleply.com](http://www.ikosingleply.com) or on request by email: [marketing@ikogroup.co.uk](mailto:marketing@ikogroup.co.uk)

### IKO Single Ply – A trading division of IKO PLC

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