

PRODUCT DATA SHEET

Anderson APP Plain

High Performance Torch-on Bituminous Membrane

Introduction

Anderson APP Plain membranes have been developed for use in high performance built-up systems on flat, pitched or curved roofs. The atactic polypropylene (APP) additive improves the high temperature performance and gives improved weathering characteristics and a higher slump resistance to the membrane.

Description

Anderson APP Plain is a polyester reinforced, APP modified bitumen membrane. The polyester carrier is saturated and then coated in APP modified bitumen. The upper surface is coated with a fine silica sand and the underside is finished with a thermofusible film.

Intended Use

Anderson APP Plain membranes are intended for use as a fully bonded underlay within a bituminous built-up roofing system. The membrane may be used as the capsheet in an inverted roof system or when used with a suitable protective finish, eg stone chippings.

Performance and Properties

Nominal Roll Length	8m	±100mm
Nominal Roll Width	1m	±10mm
Nominal Roll Weight	32kg	±2kg
Nominal Thickness	3.4mm	±0.4mm

Tensile Strength N/50mm	500 _(MD)	375 _(TD)
Elongation at break	30% _(MD)	30% _(TD)

Low Temp Flexibility	-5 °C
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Water Vapour Resistance	684MNsg ⁻¹
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Water Penetration at joint	NIL
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Surface Finish	Upper: Sand; Lower: Film
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(MD) Machine Direction (TD) Transverse Direction

Liquids

The material is impervious to water.

Biological

The material is not susceptible to insect attack or pest damage and is unaffected by fungi, moss, lichen, moulds or bacteria.

Thermal

The material is unaffected by freeze / thaw cycling. It will support temperatures from -5 °C to 90 °C without damage.

Durability

Correctly installed and maintained systems incorporating Anderson APP Plain may be expected to last 20 years.

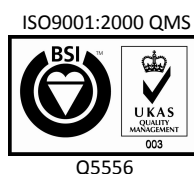
Compatibility

Anderson APP Plain membranes are compatible with most building materials with which they are likely to come into contact with during roofing works.

Hydrocarbon solvent based products, such as Naphtha, paraffin and creosote will have a harmful effect and should not be allowed to come into contact with these membranes.

Availability

Item Code	Product Name
3005495	Anderson APP Plain



Anderson APP Plain

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Fire Performance

When incorporated in a built-up roofing system with one of the surface finishes described in *Part iii of Table A5 of Appendix A of Approved Document B* of the Building Regulations (England and Wales) the roof will be deemed EXT F.A.A.

Surface Finishes:

- Bitumen-bedded stone chippings covering the whole surface to a depth of not less than 12.5mm.
- Bitumen-bedded tiles of a non combustible material.
- Sand and cement screed.
- Macadam.

Surface Preparation

All surfaces to receive Anderson APP Plain must be clean, dry and free from all contaminants that may affect the adhesion and performance of the membrane. Surfaces must be free of sharp projections and mechanical fixings must be well driven to prevent damage to the membrane. Non-membrane surfaces, except insulation, must be primed with Xtra-Seal QD Bitumen Primer and left to dry completely prior to the application of the waterproofing.

Application

Anderson APP Plain membranes are applied by torch-on application using a standard roofer's torch. The membranes should be heated carefully ensuring the heat dispersible film on the underside is completely removed as work proceeds and ensuring a 5mm bead of bitumen is extruded from all laps. Side laps must be a minimum 75mm with end laps a minimum of 100mm. The cap sheet should be offset 300mm from the underlay to avoid side build up; end laps should also be offset.

Health and Safety

Health and safety data sheets are available for all materials. Please contact Icopal's Technical Services Department for further information.

Quality Assurance

Anderson APP Plain is manufactured under a Quality Management System approved to *ISO 9001: 2000* and an Environmental Management System approved to *ISO 14001: 2004*, by BSI Quality Assurance.



EMS 535978



QMS: Q5556

Typical Specification

The underlay to be Anderson APP Plain surfaced membrane, as manufactured by Icopal Limited, Barton Dock Road, Stretford, Manchester M32 0YL. Tel: 0161 865 4444 Fax: 0161 865. The membrane is to be installed in accordance to the manufacturer's instructions and the requirements of BS 8217: Reinforced bitumen membranes for roofing - Code of practice.

Delivery and Storage

The material is delivered stood on end on wooden pallets in a strong heat shrink bag. The material when removed from the pallet must be stood on end on a flat level surface, under cover and away from exposure to the sun and away from heat sources. Mechanical damage must also be avoided.

Do not store where membranes are liable to come into contact with hydrocarbon solvents, such as petroleum spirit or diesel oil or other organic solvents.

Technical Services

Specialist advice and design guidance on all matters relating to Anderson APP Plain is freely available from our Technical Department at the address below.

NOTE: This information is given in good faith being based on the latest knowledge known to Icopal Limited. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice. Up to date information is available from our Technical Services Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume; based on information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard conditions of sale, available on request.