

## Argo P

**3 mm thick, plastomeric, torch-applied membrane, reinforced with polyester and stabilised with fibre glass mat, for single or multi layer systems**

### USES

Argo P is used as a continuous waterproofing membrane for foundations, basements, tunnels, roofs, etc, as an economical single layer membrane or as the base layer in multi-layer systems.

### ADVANTAGES

- Provides an economical single layer membrane, or economical base layer in multi-layer torch-on systems
- Uniform thickness - eliminating likelihood of uneven application possible with liquid applied membranes
- Polyester fabric reinforcement provides good strength and elasticity
- Excellent stability at both high and low temperatures
- High tear and puncture resistance

### DESCRIPTION

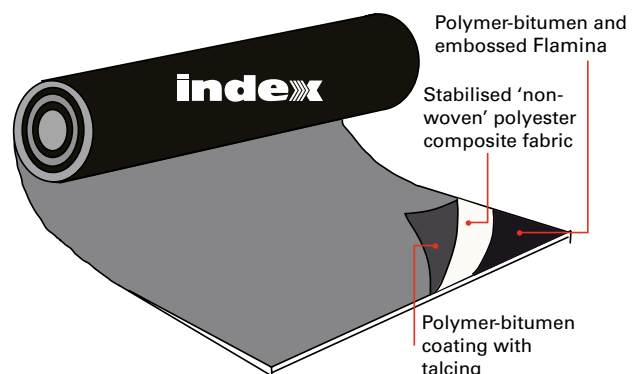
Argo P is an economical, torch applied bituminous sheet membrane reinforced with non-woven polyester fabric composite, stabilised with fibreglass mat which makes this membrane very strong while remaining elastic and allowing it to provide optimum dimensional stability. The bitumen compounds used to manufacture the product are modified with atactic polypropylene (AAP) providing the necessary stability at both high and low temperatures. The upper face is treated with serigraph talc, the lower face with a sacrificial polyethylene film called Flamina. The lower face is embossed with small squares which assist in the visual recognition of the correct melting temperature. The embossing also ensures good vapour diffusion in spot bonded or loose laid applications.

### MAINTENANCE

No special requirements, any damage identified during normal inspections should be repaired or replaced as appropriate.

### PROPERTIES

<b>Product code:</b>	742230
<b>Form:</b>	Torch applied reinforced sheet
<b>Size:</b>	Roll width 1 m, length 10 m
<b>Colour:</b>	Black / Brown
<b>Thickness:</b>	3 mm (plain)
<b>Reinforcement:</b>	Non-woven polyester fabric
<b>Tensile strength (EN 12311-1)</b>	
- longitudinal	400 N/50 mm
- transverse	300 N/50 mm
<b>Ultimate elongation (EN 12311-1)</b>	
- longitudinal	40%
- transverse	40%
<b>Tear resistance (EN 12310-1):</b>	120N
<b>Application temperature:</b>	5°C - 35°C ambient
<b>Service temperature (continuous ambient):</b>	0°C - 100°C



## SPECIFICATION CLAUSES

Where so designated on the drawing, the surfaces shall be covered with a torch applied, polyester reinforced, polymer modified bituminous waterproofing membrane.

The membrane shall be reinforced with non-woven polyester fabric and be based on distilled bitumen and polymers. Such a product is Argo P as supplied by Parchem. Areas shall be prepared and the membrane applied in accordance with the current Argo P technical data sheet, paying attention to priming requirements.

For more detailed specification information refer to the appropriate Waterproofing Specification available from your local Parchem sales office.

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

All surfaces to which Argo P is to be applied must be smooth, free from contaminants and loose material. Rough concrete must be 'faired up' before commencing application. Contact Parchem for suitable fairing products.

### PRIMING

Index Bitumen Primer is normally applied to all concrete and masonry substrates. Index Bitumen Primer should be applied at a rate of approximately 0.13 L/m<sup>2</sup> to surfaces which Argo P will be applied. Coverage rate for primer will vary depending on porosity of surface being treated. Allow the primer to dry for at least 1 hour at temperatures 25°C and above, until the primed surface is tack free. At lower temperatures allow additional drying time to ensure a tack free surface. Priming should only be carried out on surfaces that will be covered with the membrane on the same day.

### APPLICATION

Planning the installation of the membrane is important to ensure joints occur in suitable locations.

Argo P membrane must be laid to allow side laps of 100 mm and end laps of 150 mm. If membrane is to be spot bonded, full bonding must occur for 1 m each side of end laps. Application of membrane is by torch bonding using a suitable gas torch. The membrane is applied with surface protected by the Flamina facing down towards substrate, during the application of the gas flame the Flamina will melt away. Bonding is achieved by slowly unrolling the membrane whilst directing flame at the underside of roll and melting the bitumen by moving the torch from left to right. Side laps must be welded with care. Correct welding will show a 4 - 8 mm wide continuous bead of bitumen along the lap. Side laps should be 100 mm wide. Attention

should be given to end laps ensuring complete adhesion allowing 150 mm overlaps.

On completion of the membrane installation all exposed perimeter edges must be mechanically fixed or terminated under a flashing.

### PROTECTION

Whilst the Argo P membrane is based on an APP modified bitumen which is resistant to UV, it is not recommended for long-term exposure without some form of protective topping medium.

Where the membrane is to be back filled, such as with basement applications, the Argo P should be protected from mechanical damage with the Tema Tefond drainage/ protection system also available from Parchem.

### LIMITATIONS

New concrete substrates should be allowed to cure for a minimum of 28 days prior to the installation.

### ESTIMATING

#### SUPPLY

**Argo P:** 1 m wide rolls, 10 m long

**Index Bitumen Primer:** 0.13 litres per m<sup>2</sup>

Note: no allowance has been made for wastage.

### STORAGE

Store in cool, dry conditions ie. not exceeding 25°C. Rolls must be stored on end and must NOT be stored lying down.

### IMPORTANT NOTICE

A Material Safety Data Sheet (MSDS) and Technical Data Sheet (TDS) are available from the Parchem website or upon request from the nearest Parchem sales office. Read the MSDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

### PRODUCT DISCLAIMER

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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