



# Aquaproof 120

UV Stable, Trafficable Polyurethane Membrane Coating System

## Features

- ▶ UV Stable
- ▶ Seamless
- ▶ Crack Bridging
- ▶ Flexible
- ▶ Superior Adhesion
- ▶ Podiums
- ▶ Pedestrian Traffic
- ▶ Roof Tops
- ▶ Plant Room Floors
- ▶ Chemical Resistant
- ▶ High Tensile & Tear Strength

### Product Description

**Aquaproof 120** is a complete, moisture curing elastomeric polyurethane membrane system. Once cured it forms a tough, highly flexible rubber membrane, exhibiting tenacious adhesion to a variety of substrates.

**Aquaproof 120** is a high strength, puncture resistant, monolithic, seamless waterproof membrane system with the added advantage of being trafficable and U.V stable.

**Aquaproof 120 base coat** – is based on a fully aliphatic, one component polyurethane liquid membrane. Once cured it forms a tough but highly elastic non yellowing or discolouring membrane. It has been developed to offer a self levelling, bubble free one (1) coat application, with excellent long term colour stability when exposed to the UV. As a one (1) coat system it offers savings on labor but also to minimise errors that occur with multi-layer systems. It can be used as either a UV stable pedestrian traffic membrane or as an intermediate layer for a vehicular traffic system.

### Features & Benefits

- U.V Stable
- Superior adhesion
- High tensile & tear strength
- Flexible
- Chemical resistant\*
- Seamless
- Crack bridging
- Fast curing

### Uses

- Roof tops
- Podiums
- Walkways
- Plant Rooms

### Substrate Preparation

- All surfaces must be clean, dry, sound and free from dust, oil, rust, plaster dust, cement droppings, protrusions, old sealant or any other contamination. Surfaces must be free from release and curing agents.
- Metal surfaces shall be clean and free of any rust, dirt and grease. Rusted surfaces must be wire brushed or sandblasted and treated with an appropriate rust converter. Metal surfaces must be wiped clean with Pasco Xylol prior to application of Aquaprime Metal Primer.
- Using Aquaproof PU Primer, prime entire concrete substrate at required coverage rates and allow to dry.
- Install a minimum 12x12mm fillet/cove using Pascoflex PU25 polyurethane sealant to all internal/external corners. Seal all lap joints, floor penetrations, floor wastes, countersunk screws, etc.



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## Application

- **Aquaproof 120** should be mixed to ensure no settlement is in the bottom of the pail. Mix for approx 3-5 minutes using a low speed drill.
- Using a brush apply a detail coat (approx 200mm) of **Aquaproof 120** to all lap joints, internal corners, hobs, floor wastes, floor penetrations.
- Using a brush, roller or a notched squeegee, apply one coat of **Aquaproof 120** over the entire area at the required coverage rates.
- Allow **Aquaproof 120** a minimum of 24 hours curing.
- If **Aquaproof 120** is not top coated within 48hours, the surface must be solvent wiped with Xylol.

## Curing

Do not apply when rain exposure is likely within 24 hours of application. Full cure is achieved after 3 days at 25°C and 50% RH. Curing time is dependant on temperature and humidity.

## Coverage

- Apply **Aquaproof PU** Primer at approx. 7 - 9m<sup>2</sup> per Lt
- Apply **Aquaproof 120** at 1.4Lt(2Kg) per m<sup>2</sup>.

## Precautions

- Do not apply below 5°C
- Not to be applied on damp substrates
- Not to be applied on unsound substrates.

## Health and Safety

Keep out of reach of children. Wear suitable protective clothing, gloves and eye/face protection. Uncured sealant may cause skin, eye and respiratory system irritation. Use only in well ventilated areas.

In case of contact with eyes, rinse immediately with plenty of water and contact a Doctor or Poisons Information Centre (**Ph 13 11 26**). In case of skin contact, wash affected area with hand cleaner followed by soap and water.

Material Safety Data Sheets must be read and understood prior to using **Aquaproof 115 UV**.

## Packaging

- **Aquaproof PU** Primer is available in 5L & 20L pails.
- **Aquaproof 120** is available in 20KG/15L pails.

## Colour

Pasco **Aquaproof 120** is available in grey. Colours are available on request. Please contact Pasco for further information and availability.

## Shelf Life

12 months minimum, when stored in cool, dry, original containers in conditions below 25°C.

## Typical Physical Properties

Physical Property	Test Method	Results
<b>DRY FILM</b>		
Tensile Strength @ break 23°C	ASTM D412 DIN 52455	90 kg/cm <sup>2</sup> N/mm <sup>2</sup>
Hardness (Shore A)	ASTM D2240 DIN 53505 ISO R868	80
Water vapour transmission	ASTM E96	@ 12.7 gr/m <sup>2</sup> 24hr
Elongation @ 23°C	ASTM D412	>600%
QUV Accelerated Weathering Test	ASTM G53	Passed (2000 hours) (4hr UV @ 60°C (UVB lamp) (4hr Cond @ 50°C)
Service Temperature	-	-40 to 90°C
Max temp. short time shock	-	200°C
<b>LIQUID STATE</b>		
Viscosity (Brookfield)	ASTM D2196-86 @ 25°C	4000 - 6000
Specific Weight	ASTM D1475 DIN 53217 ISO 2811 @ 20°C	1.3 - 1.4 gr/cm <sup>3</sup>
Tack free time 25°C @ 55% RH	hrs	6 - 12
Recoat time	hrs	24

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