PASCO

Aquaproof 360

Below Ground Waterproofing Membrane

Features

- Monolithic Membrane
- Single Coat Application
- Puncture Resistance
- Below Ground
- High Elongation
- No Reinforcement Required
- Flexible at Low Temperatures
- Single Pack

www.pasco.net.au

Product Description

Aquaproof 360 is a high performance moisture curing polyurethane waterproofing membrane. Low in VOC, it is designed to be used in below ground applications.

Features & Benefits

- Monolithic membrane
- Low VOC
- Single coat application
- Resistance to puncture
- High resistance to stagnant water
- High elongation, >500%
- No reinforcement required
- Excellent crack bridging capability
- Remains flexible at low temperatures

Uses

- Retaining walls
- Planter boxes
- Basement walls
- Landscape areas

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 form 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.
- All protrusions are to be removed and all voids, cracks, joints etc. filled prior to membrane application (refer to application).
- Ensure substrate has adequate falls i.e 1:100 for planter boxes.

Priming

In most situations priming is not required. However, we would suggest using ***Aquaprime PU Primer*** or ***Aquaprime WBE*** on block walls to reduce dust and gassing.

Application

- ***Aquaproof 360*** should be mixed to ensure no settlement is in the bottom of the pail. Mix for approximately 3-5 minutes using a low speed drill.
- Cracks greater than 2mm are to be routed out and filled with ***Pascoflex PU25*** polyurethane sealant.
- Movement/expansion joints are to be filled with ***Pascoflex PU25*** and a closed cell backing rod.

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- Although ***Aquaproof 360*** does not require reinforcement, it is recommended that any change in floor substrates i.e. metal flashing is to be reinforced using ***Pasco Type S Reinforcing Fabric***.
- Apply a 10-12mm bead of ***Pascoflex PU25*** to all internal horizontal and vertical corners, tool to a smooth concave shape and allow to cure.
- Using a brush apply a detail coat (approx.100mm) of ***Aquaproof 360*** to all internal corners, hobs, floor wastes, floor/wall penetrations etc.
- Using a brush, roller or a notched squeegee, apply one coat of ***Aquaproof 360*** to the entire area at the required coverage rate of 1.5L/m^2.
- Allow ***Aquaproof 360*** a minimum of 24-48 hours curing.
- If recoating is required, apply within 24 hours. If more than 24 hours has elapsed or if the membrane has been exposed to rain, clean existing membrane with ***Pasco Xylene*** industrial thinner to ensure adequate interlaminar adhesion.

Protection

Once the ***Aquaproof 360*** has fully cured, install an appropriate protection board, such as Pasco 2.5mm protection board or Delta NP Drainage Cell over the entire membrane, to prevent damage during backfilling.

Curing

Full cure is after 48 hours at 25°C and 50% RH.

Coverage

- Apply ***Aquaproof 360*** @ 1.5L/m^2.
- Minimum dry film thickness of 1.25mm.

Packaging

Aquaproof 360 is available in 15lt pails.

Precautions

- Do not apply if temperature is above 35°C or less than 5°C.
- Do not apply if rain is imminent.
- Do not use in a chlorinated environment.
- ***Aquaproof 360*** is not UV stable and should therefore not be left exposed.
- When screeding over ***Aquaproof 360***, screeds must have a minimum thickness of 40mm and self-supporting by reinforcing with wire mesh. A slip sheet comprising two layers of 200micron builders' plastic, crossed laid is to be applied over the ***Aquaproof 360*** prior to the installation of the screed. If a specialist screed is to be used, please consult with manufacturer if the screed can be used in a self-supporting application.
- Do not direct stick tiles onto ***Aquaproof 360*** as this could lead to the debonding of tiles.

Clean-up

Reusable tools should be cleaned carefully with ***Xylene*** before curing.

Shelf Life

Shelf life of sealed ***Aquaproof 360*** in its original container is 9 months, pail upside down. Always store closed containers in cool, ventilated and dry location, away from heat and oxidizing agents. Do not store in direct sunlight or in temperatures below 5°C or above 35°C.

PASCO

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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 360***.

Typical Physical Properties

		Aquaproof 360	Test Method
Composition		Single-Pack moisture curing Polyurethane	-
Density (Liquid)	(g/cm^3)	1.3 - 1.4	ASTM D1475-13
Density (Cured)	(g/cm^3)	1.4 - 1.45	AS 1683.4
Service Temperature	(°C)	-20 to +80	-
Curing Time	(hours)	Cured overnight	-
Shelf life	(months)	9	-
*Viscosity @ 30 RPM	(cP)	30,000 - 40,000	-
Non volatiles	(%)	90	ASTM D2369-10
VOC content	(g/L)	130-155	ASTM D2369-10
Odour		Mild Odour	-
Tensile Strength	(MPa)	>3	AS 1683.11
Elongation	(%)	>500	AS 1683.11
Hardness	(Shore A)	45	AS 1683.15.2
Re-coating interval	(hours)	Maximum 24 hours after application	-
Recommended substrate temperature	(°C)	+5 to +35	-
Recommended substrate moisture	(%)	Up to 5	-
Recommended relative humidity	(%)	Between 20 and 90	-

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