



Axiom Guard

A 1-part high performance liquid waterproofing membrane

- Product Information**
- New liquid technology giving superior performance
 - No complicated pre-mixing
 - Formulated grade for below ground applications
 - Excellent weather & UV resistance
 - Fast curing, elastic & flexible at extreme temperatures

Description

Visqueen Axiom Guard is a unique single component polyurethane liquid membrane incorporating an accelerator that upon contact with humidity cures rapidly to give a continuous fully bonded waterproofing coating. Surface coverage is approximately 1.5kg/m² therefore. The product is available in 15 kilo (1 tin covers 10m²)

- Application & Surface**
- External Tanking, basements, substructures
 - Retaining walls
 - Superstructures

- Applied to**
- Concrete
 - Brickwork
 - Steel
 - Timber

- Specific Approvals / Standards**
- BS8102:2009 - Code of practice for protection of below ground structures against water from the ground - Grades 1, 2 and 3 apply. Classified as a fully bonded Type A membrane.
 - BDA Agrément pending



Installation

Preparation

All surfaces should be smooth, clean, dry and free from frost, oil, grease, condensation and other contamination. Fill surface irregularities with a suitable filler such as 3:1 mortar mix.

Application temperature should be above 5°C although the product has been proved to work at 0°C.

Gloves and suitable PPE should be worn prior to application.

The product requires no agitation or stirring and no dilution is required therefore use directly from tin or decant to roller tray.

Application

Visqueen recommend the coverage rates for the following surfaces:

	Weight	Dry Time	
Visqueen Axiom Guard H+	15 kilos	6 hours	
Visqueen Axiom Guard V+	15 kilos	6 hours	
Visqueen Axiom Guard Primer	4 kilos	24 hours	

Application	Guard H+	Guard V+	Primer
Horizontal per kg/m ²	1.5		0.2
Horizontal per tin/m ²	10		20
Vertical per kg/m ²		1.5*	0.2
Vertical per tin/m ²		10*	20

*2 coats required

Concrete Horizontal Surfaces

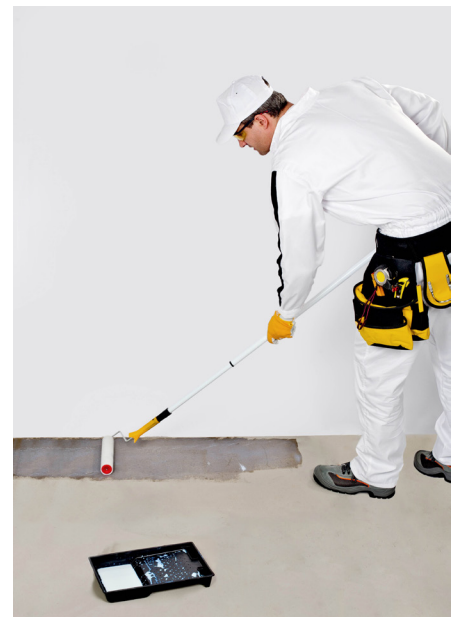
- Axiom Primer using 200g/m² (4L tin covers 20m²) depending on the porosity of surface. Drying time 12 hours.
- Axiom Guard H+ using 1.5kg/m². 1 coat is recommended with 6 hour minimum drying time between coats if additional coat are required.

Concrete, Metal & Masonry Vertical Surface

- Axiom Primer using 200g/m² (4L tin covers 20m²) depending on the sporosity of surface
- Axiom Guard V+ using 1.5kg/m². 2 coats required with 6 hour minimum drying time between coats.

External Tanking

The horizontal sheet membrane section should be laid on a concrete blinding to project at least 300mm beyond the outer face of the structure. The base structural slabs and the walls should be formed, and the vertical Axiom Guard V+ should then be applied in 2 coats. The membrane should then be protected from backfilling using Visqueen Protect&Drain or Treadguard1500.



Standard Details	Standard details are available at: www.visqueenbuilding.co.uk/standard-details for the above applications.
Storage & Handling	Store the product away from any sources of ignition at temperatures between 5°C and 30°C. Visqueen Axiom Guard will remain in optimum condition if stored within the above temperature range in its sealed container for a minimum 12 months. Once opened use as soon as possible. To avoid the risk of spillage, always store and transport in a secure upright position. Rollers and brushes will not be re-usable.
Health & Safety	We strongly recommend that the MSDS is read prior to use or transportation. Visit www.visqueenbuilding.co.uk for more information. Visqueen Axiom Guard is flammable and should be used in well ventilated areas away from sources of ignition. If used in closed spaces use ventilators and carbon active masks. The product can effect sensitive skins and gloves are recommended when using the product. Wash hands thoroughly at the end of each working period. Should there be contact with skin, wash immediately with soap and water or a recognised skin cleaner. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
System Components	<ul style="list-style-type: none">■ Visqueen Axiom CreteSeal - a one component concrete expansion joint sealant for Axiom Guard system■ Visqueen Protect&Drain - a drainage board for protecting the membrane during backfilling operations in external tanking applications, and also promoting drainage of water away from the structure■ Visqueen Zedex CPT DPC - a high performance cavity tray damp-proof course for waterproofing continuation■ Visqueen VX25 Waterstop – prevents the ingress of water through cast in-situ concrete construction joints

Visqueen Axiom Liquid Membrane - the NEW revolutionary range in high performance waterproofing

Visqueen's new range consists of:

Visqueen Axiom Shield LAC – a high performance liquid DPM

Visqueen Axiom Guard – a one component liquid waterproofing membrane

Visqueen Axiom Guard Primer – primes and seals porous surfaces prior to use of Visqueen Axiom Guard membrane

Visqueen Axiom UniSeal – the ultimate high performance product for detailing and waterproofing

Visqueen Axiom CreteSeal – a one component concrete expansion joint sealant for Axiom Guard system

AXIOM
LIQUID MEMBRANES

VISQUEEN

Product & Performance Data:



Property	Units	Method	Result
Tin size	Kilos		15
Coverage per tin	m ²		10
Colours			
Axiom H+			Grey
Axiom V+ (1st coat)			White
Axiom V+ (2nd coat)			Grey
Shelf life in optimum conditions (unopened)			12+ months

Performance data

In liquid form (before application): 90% dry matter in Xylol

Viscosity (Brookfield)	cP	ASTM D2196-86, at 25°C	3500 - 5500
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2911, at 20°C	1.3 - 1.4
Flash point	°C	ASTM D93, closed cup	42
Tack free time at 77°F (25°C) & 55% RH	hours		2 - 3

The cured membrane:

Service temperature	°C		-40 - 80
Max. temperature short term (shock)	°C		200
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	70
Tensile strength at break at 23°C	Kg/cm ² (N/mm ²)	ASTM D412 / EN-ISO-527-3	65 (6,5)
Percent elongation at 23°C	%	ASTM D412 / EN-ISO-527-3	more than 400
Water vapour transmission	gr/m ² .hr	ASTM D412 (Water Method)	0.8
Tensile set (after 300% elongation)	%	ASTM D412	less than 3%
QUV Accelerated Weathering Test (4hr UV, at 60°C (UVB-Lamps) & 4hr (COND at 50 °C)		ASTM G53	passed (2,000 hours)

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