

Axiom Guard Liquid Waterproofing

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nbsPlus

- High Performance liquid waterproofing membrane
- 1 component – 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 over 10m²) tins in two options:

- Visqueen Axiom Guard H+ for horizontal surfaces.
- Visqueen Axiom Guard V+ specially formulated for vertical surfaces. Visqueen recommend 2 coats in this application therefore to aid installation we offer 2 colours – white and grey. The use of a two colour system allows the easy identification of any areas that have been missed with the second coat.

Application & Surfaces

- External Tanking, basements, substructures
- Retaining walls
- Superstructures

Applied to

- Concrete
- Smooth brick work
- Steel
- Timber
- ICF Formwork

Visqueen Axiom Guard is used where a high performance tanking liquid waterproofing membrane is required in accordance with BS8102 – Grades 1, 2 and 3 apply. It is classified as a fully bonded Type A membrane. Axiom Guard Primer is used to seal porous or contaminated surfaces, and to aid adhesion of the Visqueen Axiom Guard.

System components

- Visqueen Axiom Guard Primer - to prime substrates prior to use of Visqueen Axiom Guard membrane
- 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 Axiom CreteSeal - a one component concrete expansion joint sealant



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- Visqueen VX25 Waterstop – prevents the ingress of water through cast in-situ concrete construction joints

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 5oC although the product has been proved to work at 0oC.

Gloves and suitable PPE should be worn prior to application.

The product requires no agitation, stirring or dilution. Use straight from the tin.

Application

Visqueen recommend the coverage rates for the following surfaces:

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 surfaces

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

	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*	
* 2 coats required			



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Product Data

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PROPERTY	UNITS	METHOD	SPECIFICATION
In liquid form (before application): 90% dry matter in Xylol			
Viscosity (BROOKFIELD)	cP	ASTM D2196-86, at 25 C	3500 - 5500
Specific weight	gr/cm3	ASTM D1475 / DIN 53217 / ISO 2811, at 20 C	1.3 - 1.4
Flash point	centigrade	ASTM D93, closed cup	42
Tack free time, at 77 F (25 C) & 55% RH	hours		2-3
Recoat time	hours		6-48
The cured membrane:			
Service temperature	centigrade		-40 to 80
Max. temperature short time (shock)	centigrade		200
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	70
Tensile strength at break at 23 C	Kg/cm2 (N/mm2)	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/m2.hr	ASTM E96 (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)





Visqueen Building Products

Visqueen is the market leader in the manufacture and supply of structural waterproofing and gas protection systems. Visqueen offers the complete package - a proven, reliable range backed by a technical support service that goes unmatched in the market - everything you would expect from a reputable and ethical company.

System Accessories

To ensure full waterproofing protection please use the following certified system components:

- Visqueen High Performance (HP) Tanking Primer
- Visqueen TreadGUARD1500
- Visqueen Protect&Drain
- Visqueen Top Hat Unit

Downloads Library

- Technical Datasheet
- Declaration of Performance
- Visqueen's Guide to CE Marking

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We are specialists in our field and can help you specify the correct solutions with the necessary performance levels, in accordance with building regulations.

- Nationwide site support team
- Specification advice
- Installation guidance & project sign off
- System design including CAD details

