Technical Datasheet

Visqueen Axiom Guard

Features & benefits

- Agrement certified - third party accreditation
- Type A Barrier Membrane (Tanking Membrane) - resistant to ground water in accordance with BS 8102:2022
- No mixing required - use straight from the tin
- Cures to form a flexible elastic coating
- Fully bonded system - self terminating at the perimeter of the installation
- Radon resistant - third party tested

Product description

Visqueen Axiom Guard is a grey, single component liquid damp proof and waterproof membrane. It is supplied in 20kg tins.

Approvals and standards

- Third party accreditation (BDA certificate BAB-18-028-P-A-UK)
- Suitable for use as a Type A Barrier Membrane (Tanking Membrane) to BS 8102: 2022
- Conforms with the specification requirements of NHBC Chapter 5.4
- Conforms to the specification requirements of BR 211:2023
- Visqueen certified with Quality Management System ISO 9001:2015
- Visqueen certified with Occupational Health and Safety System ISO 45001:2018
- Visqueen certified with Environmental Management System ISO 14001:2015

Usage

Visqueen Axiom Guard is suitable for damp proofing applications including concrete floors and masonry wall constructions. The product is also suitable for waterproofing below ground concrete substructures including retaining walls, cast concrete, precast concrete and steelwork. The product is ideal for complex detailing and difficult to reach areas.

The product is not designed as a decorative coating.

The product can be used to achieve one form of waterproofing for Grades 1, 2 and 3 as defined in BS 8102:2022.

System components

- Visqueen Axiom Primer, 4kg
- Visqueen IGW5 and IGW10 Waterstops

Storage and handling

Visqueen Axiom Guard should be stored upright, undercover and in its original packaging. Store away from any sources of ignition in a well ventilated space at temperatures between 5ºC and 30ºC.

To avoid the risk of spillage, always store and transport in a secure upright position.

Care should be taken when handling the product in line with current manual handling regulations.

Use in a well ventilated space away from any sources of ignition. Keep the container closed when not in use.

The unopened product has a minimum shelf life of 12 months.

Preparation

Visqueen Axiom Guard should be applied to substrates that are smooth, clean, dry and free from frost, dust, laitance or loose material. Any surface contamination e.g. oil, paint, mortar snots, fungal growth, etc must be removed. All substrate cracks or surface irregularities must be repaired and filled prior to product application.

No mixing or stirring is required. The product can be used straight from the tin. Apply with a brush or solvent resistant roller. Brushes and rollers are not reusable and must be disposed appropriately after use.

To aid adhesion when the surfaces are challenging or where specified, use Visqueen Axiom Primer prior to application.

Installation

Visqueen Axiom Guard can be applied directly from the tin using a brush, or transferred to another suitable container and then applied by roller.

For concrete, brickwork, blockwork, timber and metal substrates apply 2 coats. Apply the first coat at a coverage rate of 0.75kg/m², and the second coat at 0.75kg/m². When used as a 2 coat system, a 20kg tin will cover approximately 13.3m².

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Visqueen Axiom Guard

Allow a minimum of 6 hours between application of coats.

Good ventilation is required to ensure adequate curing of the coating.

Long periods of exposure to ultraviolet light will reduce the effectiveness of the membrane. The membrane should be covered by a protective layer immediately after installation to prevent damage from following trades, ultraviolet light, etc.

Usable temperature range

It is recommended that Visqueen Axiom Guard and associated system components should not be installed below 5ºC.

Additional information

Where concrete construction joints occur Visqueen IGW Waterstop system should be incorporated.
Where wall ties penetrate the membrane, seal with Visqueen Axiom UniSeal.
When waterproof concrete is required, or for additional detailing information e.g. movement joints, contact Visqueen Technical Services +44 (0) 333 202 6800.

The information in this datasheet was correct at the time of publication. It is the user's responsibility to obtain the latest version of the datasheet as it is updated on a regular basis. The information contained in the latest datasheet supersedes all previously published editions.

Property	Units	Method	Result
In liquid form (before application):			
Viscosity (Brookfield)	cP	ASTM D2196-86, at 25°C	150-250
Specific weight	g/cm³	ASTM D1475 / EN-ISO 2811, at 20°C	0.98
In cured form (after application):			
Tensile strength at break at 23°C	kg/cm² (N/mm²)	ASTM D412 / EN-ISO-527-3	350 (35)
Elongation at 23°C	%	ASTM D412 / EN-ISO-527-3	> 150
Axiom Guard adhesion to concrete	mPa	ASTM D1640	> 4
Axiom Guard adhesion to Primer	mPa	ASTM D1640	> 5
Radon permeability	m²/s	K124/02/95	7.9 x 10^{-11}

Health and safety information

Refer to the Visqueen Axiom Guard safety datasheet (SDS).

About Visqueen

Visqueen is a leading provider of construction membrane technologies and design-based solutions for ground gas, structural waterproofing, damp proofing and fire protection.

We offer complete support at every stage of the specification, including the supply chain process. As the UK's principal technical authority, we are best placed to ensure that the principal designer and contractor specify the most technically suited, durable, and competitive solution to guarantee their project is protected for the lifetime of the building.

Visqueen is at the forefront of advanced membrane technology and innovation in the construction industry, earning the trust and loyalty of specifiers throughout the UK and Europe.

For more information, visit visqueen.com or contact our sales office at +44 (0) 333 202 6800 or enquiries@visqueen.com

Complete Range, Complete Solution

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Visqueen Axiom Guard



Passive Fire Protection | Gas Protection | Damp Proof Membrane | Air and Vapor Control | Stormwater | Damp Proof Course | Temporary Protection

Visqueen Technical Support

Visqueen offer a comprehensive full nationwide technical support. Our team of CSSW qualified technical support managers provide on site design-based solutions for specifiers, contractors and builders merchants, and will ensure that from design stage to installation the project is fully risk assessed and the specification is approved by all stakeholders.

Our Technical Office, can design, prepare and manage CAD detailing, together with assisting in quantity take offs, while offering advice on technical installations and product selection.

Competency & Design

Visqueen promotes competency in building design by ensuring that its technical team possesses the necessary skills, knowledge, experience, and ethical practices. The company adopts the "golden thread of information," ensuring all project data is digitally secure and accessible throughout a building's lifecycle. This approach aligns with the Building Safety Act and aims to foster accountability and compliance with evolving regulations, providing clients with confidence in the safety and reliability of their projects.

Visqueen CPD Seminars

Visqueen's CPD Seminars offer insights into Building Regulations, Standards, and industry guidance related to damp proofing, hazardous ground gas protection, and structural waterproofing. These one-hour seminars are tailored for construction design professionals and delivered by our Technical Support Managers. Visit our website to book a free CPD.

Visqueen Contract Design Services

Visqueen Contract Design Services offers a bespoke design service led by our team of Certified Surveyors in Structural Waterproofing (CSSW), providing experienced and specialised waterproofing design expertise for complex projects. We provide comprehensive support throughout the entire project, ensuring that all work meets the requirements of warranty providers and adheres to the highest standards of quality, reliability and current legislation.

Visqueen Training Academy

Based at our Derbyshire facility, the Visqueen Training Academy offers a variety of training programs across the UK. These include one-day product awareness sessions for distributors and builders' merchants, and intensive two-day courses for hands-on product installation training. Contact us for more information.

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