



Visqueen Axiom Shield LAC

Features and benefits

- BDA certified - third part accreditation
- No mixing required - use straight from the tin
- Flexible elastic coating - able to withstand minor movement
- Versatile - ideal for complex detailing and difficult to reach areas.
- Fully bonded system - self terminating at the perimeter of the installation
- Radon resistant - third party testing

Product description

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

Approvals and standards

- Third party accreditation (BDA certificate BAB-18-029-P-A-UK)
- Suitable for use as a Type A Barrier Membrane (Tanking Membrane) to BS 8102: 2009
- Conforms with the specification requirements of NHBC Chapter 5.4
- Quality Management System ISO 9001:2015
- Conforms to the specification requirements of BR 211:2015

Usage

Visqueen Axiom Shield LAC is suitable for damp proofing applications including concrete floors and masonry wall constructions. In certain circumstances, 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.

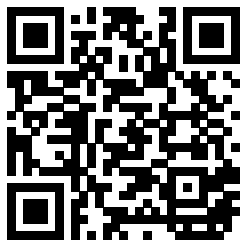
The product is not designed as a decorative coating.

The product can be used to achieve one form of waterproof for grades 1,2 and 3 as defined in BS 8102:2009.

System components

- Visqueen Axiom Primer, 4kg

Find your local stockist





Visqueen Axiom Shield LAC

Storage and handling

Visqueen Axiom Shield LAC should be stored upright, undercover and in its original packaging. Store away from any sources of ignition at temperatures between 5°C and 30°C.

To avoid the risk of spillage, always store and transport in a secure upright position. The unopened product has a minimum shelf life of 12 months.

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.

Preparation

Visqueen Axiom Shield LAC should be applied to substrates that are smooth, clean, dry and free from frost, dust, laitences or loose material. Any surface contamination e.g. oil, paint, mortar spots, 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 roller. Brushes and rollers are not reusable and must be disposed appropriately after use.

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

Installation

Visqueen Axiom Shield LAC 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.

Allow a minimum of 6 hours between application of coats.

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

Usable temperature range

It is recommended that Visqueen Axiom Shield LAC and associated system components should generally not be used below 5°C, although the product has been proved to work down to 0°C.

Additional information

Where concrete construction joints occur Visqueen VX25 Waterstop system should be incorporated see T-04.

Where wall ties penetrate the membrane, seal with Visqueen Axiom UniSeal see T-41

When waterproof concrete is required, or for additional detailing information e.g. movement joints, contact Visqueen Technical Services +44 (0) 333 202 6800



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Axiom Shield		
Water vapour diffusion resistance $\text{kg/m}^2/\text{s}$	EN1931 method B	1.09×10^{-7}
Mean moisture resistance factor μ	EN1931 method B	2480
Watertightness @200kPa/72hr	EN1931 method B	Pass
Resistance to dynamic indentation 6mm	EOTA TR 006 @ 23°C	Pass
Resistance to dynamic indentation 200N	EOTA TR 006 @ 23°C steel support	Pass
Reaction to fire	EN 13501-1	Class E
Radon diffusion coefficient m^2/s	D12 ISO/TS 11665-1313	5.0×10^{-11}
Tensile strength @ break N/mm^2	EN-ISO-527-3	6.5
Elongation @ break N/mm^2 %	EN-ISO-527-3	>400
Durability and exposure to chemicals	EOTA TR 012	Pass
Service temperature Degrees C		40 to 80
Properties		
Tin sizes kg		6 or 20
Colour		Black
Shelf life in months		12
Radon permeability - m^2/s	K124/02/95	7.9×10^{-11}

Health and safety information

Refer to the Visqueen Axiom Shield LAC material safety datasheet (MSDS).

Visqueen Axiom Shield LAC

About Visqueen

The Visqueen name has long been recognised as one of the leading manufacturers of high quality advanced membrane technologies and design based solutions by specifiers, distributors, builders merchants and contractors throughout the UK and Europe.

For further guidance on the Visqueen services shown below, please refer to the relevant section of the Visqueen website (www.visqueen.com) or contact Visqueen Technical Services on +44 (0) 333 202 6800 or enquiries@visqueen.com

Complete Range, Complete Solution



Structural Waterproofing



Gas Protection



Damp Proof Membrane



Tapes



Damp Proof Course



Stormwater



Vapour Control

Visqueen Technical Support

Visqueen combine an extensive product portfolio with industry leading levels of service and support which includes guidance over the phone, bespoke CAD drawings to help with complex detailing, electronic NBS specifications and access to a dedicated team of highly knowledgeable and experienced field based Technical Support Managers.

Visqueen Technical Support is available to all our customers including architects, specifiers, distributors, builders merchants, contractors and end users. All of our technical team have been awarded the industry recognised qualification Certificated Surveyor in Structural Waterproofing (CSSW).

Visqueen CPD Seminars

The Visqueen Continuing Professional Development (CPD) Seminars provide up-to-date information on changes within Building Regulations/Building Standards and nationally recognised industry guidance affecting damp proofing, water vapour control, hazardous ground gas protection and below ground structural waterproofing.

The one hour seminars have been produced for design specialists within the construction sector and are delivered by our team of Technical Support Managers.

Visqueen PI designs and special projects

From initial design to the completed project, Visqueen are with you every step of the way. Whether it be hazardous ground gas protection and/or below ground waterproofing protection employing barrier, structurally integral or drained systems, Visqueen can offer professional indemnity (PI) insurance for bespoke Visqueen design solutions.

Visqueen Technical Support Managers work with all stakeholders to provide cost effective Visqueen solutions offering complete peace of mind throughout the construction phase and beyond.

Visqueen Training Academy

Based at our manufacturing facility in Derbyshire, the Visqueen Training Academy is available to support Visqueen customers throughout the UK by providing a wide range of both theory and practical skills related training.

Courses include one day product awareness training for our distributors and builders merchants to help them in their day-to-day jobs, through to intensive three day courses giving detailed hands-on training in the practical skills required for safe and robust product installation.