

Visqueen IGW Admix

Features and benefits

- Crystalline growth - provides continuous protection for the lifetime of the concrete structure
- Reduces water penetration - reduced permeability when compared to an equivalent plain concrete
- Improves reinforcement protection - enhanced resistance to reinforcement corrosion when compared with an equivalent plain concrete
- Increases durability - more durable than an equivalent plain concrete

Product description

Visqueen IGW Admix is a crystalline waterproofing admixture powder consisting of a blend of specially selected chemicals. The Admix is suitable for CEM I (100% cement content) and CEM II (up to 35% cement replacement) mixes. When combined with ready mix concrete at batching plant, it produces a crystalline reaction which enhances water resistance and durability of the cured concrete. The product is available in a tub consisting of six 4.1 kg soluble bags and used in the ratio of 1:1 i.e. one 4.1kg bag for each 1m³ of concrete.

Approvals and standards

- BBA certificate 20/5783
- Suitable for use as a Type B structurally integral protection to BS 8102:2022
- Conforms with the specification requirements of NHBC Chapter 5.4
- Quality Management System ISO 9001:2015

Usage

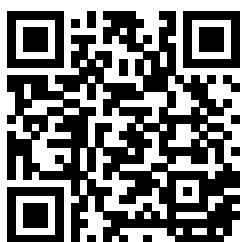
Visqueen IGW Admix is used to provide Type B watertight concrete protection in accordance with BS8102:2022. Typically the product is used in reinforced concrete basement walls and floors.

When used as a combined system in accordance with BS8102, the Type B watertight concrete is used in conjunction with a Type A barrier membrane such as Visqueen Pre Applied Membrane and/or a Type C cavity drain system such as Visqueen V8 and V20 Cavity Drain System.

System components

- Visqueen IGW5 and IGW10 Waterstops
- Visqueen IGW Pipe Strap
- Visqueen Waterstop Adhesive, 310ml cartridge

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Visqueen IGW Admix

Storage and handling

Visqueen IGW Admix should be stored upright, under cover in its original packaging and above 5°C.

The product has a minimum shelf life of 12 months.

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

Preparation

Concrete containing Visqueen IGW Admix is normally supplied as a ready-mixed concrete. The concrete must have a minimum cement content of 350 kg/m³ and be batched with a maximum 0.45 water/cement ratio.

Installation

Installation must be in accordance with BBA certificate 20/5783. Visqueen IGW Admix is used in the ratio of 1:1 i.e. one 4.1kg bag for each 1m³ of concrete.

Please see below Batch Plant operation recommendations:

1. Central mix operation

Ready Mix Plant - add the Visqueen IGW Admix soluble bag and contents to water e.g. approximately 2 bags (8.2kg) of admix mixed with 10L of water. Pour the required amount of material into the drum of the ready-mix truck. The aggregate, cement and water should be batched and mixed in the plant in accordance with standard practices (taking into account the quantity of water that has already been placed in the ready-mix truck). Pour the concrete into the truck and mix for at least 5 minutes to ensure even distribution of the admix throughout the concrete.

2. Dry batch operation

Ready Mix Plant - add the Visqueen IGW Admix in powder form to the drum of the ready-mix truck. Position the truck under the batch plant and add 60% – 70% of the required water along with 140kg – 230kg of aggregate. Mix the materials for 2-3 minutes to ensure the admix is distributed evenly throughout the mix water. Add the balance of materials to the ready-mix truck in accordance with standard batch practices.

3. Pan Mixer

Precast Batch Plant - add the Visqueen IGW Admix in powder form to the aggregate and sand, then mix thoroughly for 2-3 minutes before adding the cement and water. The total concrete mass should be blended using standard practices.

NOTE: It is important to obtain a homogeneous mixture of Visqueen IGW Admix with the concrete. Therefore, do not add dry admix powder directly to wet concrete as this may cause clumping and thorough dispersion will not occur.

Usable temperature range

It is recommended that Visqueen IGW Admix should not be used below 5°C.

Additional information

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.



Visqueen IGW Admix

Property	Units	Value
Soluble bag	kg	4.1
Quantity per tub	Number	6
Shelf life	months	12 minimum

Health and safety information

Refer to the Visqueen IGW Admix material safety datasheet (MSDS).

Visqueen IGW Admix

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.