

Axiom CreteSeal Liquid Waterproofing

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nbsPlus

- A high performance structural concrete expansion joint sealant
- A unique one component polyurethane & silylated PU technology
- Easy to apply even at low temperatures.
- Accommodates up to 50% joint movement
- Remains elastic <0oC

Description

Visqueen Axiom CreteSeal is a low modulus structural concrete expansion joint sealant. The formulation contains both PU and silylated-PU technology resulting in a sealant which includes the best of both technologies and is easy to apply even at temperatures. It has been modified in order to give enhanced thixotropic properties.

CreteSeal cures by reaction with atmospheric humidity to produce a joint sealant with a 50% joint movement accommodation factor. Additionally, the CreteSeal has been modified in order to have extrusion profile identical to hybrid PU or MS technology. The extrusion rate and tooling of the sealant remain the same throughout a very wide range of temperature and humidity conditions.

Creaseal is supplied in a 60ml sausage with 24 per box.

Application

The product is specially formulated for structural movement joints in concrete.

Preparation

Joint surfaces must be clean, dry and free from frost. Remove all dirt, laitance, loose material and foreign matter. Remove all rust, scale and protective lacquers from metal surfaces.

Removal can be achieved by grinding, grit blasting or wire brushing.

Slide the sealant into the applicator gun, cut off the very end of the sealant packaging and fit the gun with the nozzle that has been cut to deliver the right bead size.

Installation

Extrude the sealant into the joint ensuring that no air is trapped in the joint. Wide joints will require more than one pass of the application gun to make sure that sealant is in full contact with the sides and bottom of the joint.

Tooling is recommended immediately after the application of sealant.

Coverage

Linear metres per 600ml Sausage



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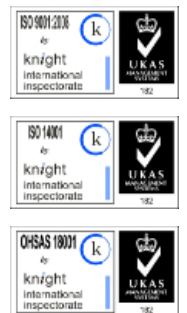
Width / Depth	5mm	10mm	15mm	20mm	255mm
10mm	24m	12m	4m	3m	2.4m
15mm					1.6m

Storage and Handling

Store the product between 5 °C and 30 °C. Visqueen Axiom CreteSeal 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.

Health & Safety

We strongly recommend that the MSDS is read prior to use or transportation and is available on our website or contact 0333 202 6800.



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Product Data

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PROPERTY	UNITS	METHOD	SPECIFICATION
Specific weight	gr/cm3	ASTM D1475 / DIN 53217 / ISO 2811, at 20 C	1.2
Tack free time, at 77 F (25 C) & 55% RH	hours		3,5-4,5
Cure Rate	Mm/day		03-Apr
Service temperature	centigrade		-40 to 80
Hardness	Shore	ASTM D2240 / DIN 53505 / ISO R868	-25
Modulus at 100% elongation	(N/mm2)	ASTM D412 / EN-ISO-527-3	0.2
Elongation	%	ASTM D412 / EN-ISO-527-3	>900
QUV Accelerated Weathering Test (4hr UV, at 60 C (UVB-Lamps) & 4hr COND at 50 C)		ASTM G53	Passed (after 2000hr)
Thermal Resistance (100 days, 80 C)		EOTA TR011	Passed
Toxicity			No restrictions after full cure
Resilience	%	DIN 52458	>80
Hydrolysis (8% KOH, 15 days at 50 C)			No elastomeric property change
Hydrolysis (H2O, 30 days - cycle 60 - 100 C)			No elastomeric property change
HCl (PH = 2, 10 days at RT)			No elastomeric property change
Adhesion to concrete	kg/cm2 (N/mm2)	ASTM D4541	>20 (>2)



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Appendix A



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

Find your local stockist

Search our directory of Visqueen specification Stocking Centres to locate your nearest Visqueen Partner.

Distributor Support

Our specification Stocking Centres can access a free library of sales support tools, bespoke catalogues and more, [click here](#).

Technical support throughout your project

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

