



Axiom CreteSeal

A one part elastic concrete expansion joint sealant for use with Axiom liquid membranes

Product Information

- 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 <0°C

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.

Product Packaging

CreteSeal is supplied in a 600ml sausage with 24 per box.

Application

The product is specially formulated for structural movement joints in concrete as part of the Visqueen Axiom Liquid Waterproofing range. Standard details for this application are available on our website or contact enquiries@visqueenbuilding.co.uk

Specific Approvals / Standards

- BS8102:2009 - Code of practice for protection of below ground structures against water from the ground - Grades 1, 2 and 3 apply. Classified as a fully bonded Type A membrane.
- BDA Agrément pending



Installation

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.

Substrate Temperature +5°C min./+40°C max.

Ambient Temperature +5°C min./+40°C max.

Substrate Moisture Content Dry

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:

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

Standard Details

Standard details are available at:
www.visqueenbuilding.co.uk/standard-details for the above applications.

Storage & 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 at www.visqueenbuilding.co.uk or contact 0333 202 6800.

Visqueen Axiom Liquid Membrane - the NEW revolutionary range in high performance waterproofing

Visqueen's new range consists of:

Visqueen Axiom Shield LAC – a high performance liquid DPM

Visqueen Axiom Guard – a one component liquid waterproofing membrane

Visqueen Axiom Guard Primer – primes and seals porous surfaces prior to use of Visqueen Axiom Guard membrane

Visqueen Axiom UniSeal – the ultimate high performance product for detailing and waterproofing

Visqueen Axiom CreteSeal – a one component concrete expansion joint sealant for Axiom Guard system

AXIOM
LIQUID MEMBRANES**VISQUEEN****Product &
Performance Data:**

Property	Units	Method	Result
Sausage size	ml		600
Quantity per box			24
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2911, at 20°C	1.2
Tack free time at 77°F (25°C) & 55% RH	hours		3.5 - 4.5
Cure rate	mm/day		3-4
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	-25
Modulus at 100% elongation	(N/mm ²)	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 (2,000 hours)
Thermal resistnace (100 days, 80°C)		EOTA TR011	Passed
Toxicity		A	No restrictions after full cure
Resillience	%	DIN 52458	>80
Hydrolysis (8% KOH, 15 days at 50°C)			No elastomeric property change
Hydrolysis (H ² O, 30 days - cycle 60 - 100°C)			No elastomeric property change
HCl (PH = 2, 10 days at RT)			No elastomeric property change
Adhesion to concrete	cm ² (N/ mm ²)	ASTM D4541	>20 (>2)

Visqueen Building Products
Heanor Gate
Heanor
Derbyshire
DE75 7RG

Phone: 0333 202 6800
Fax: 0333 202 6886

Email: Enquiries@visqueenbuilding.co.uk

For our full range of products, visit www.visqueenbuilding.co.uk

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