Technical Support: 0845 302 4758
LAST UPDATED: 13.6.2013

VISQUEEN GX DPC

Visqueen GX Hydrocarbon Damp Proof

CE Mark to Damp Proof Course EN 14909

CE

EN 14909
Type A

13

- **Suitable for use on hydrocarbon contaminated sites.**
- **Independantly tested against harmful gases, industrial chemicals and hydrocarbons.**
- **High puncture and tear resistance.**

Description

Visqueen GX DPC is a blend of ethylene co-polymers suitable for use on brownfield sites that require protection from dangerous contaminants such as hydrocarbons and methane, together with excellent damp proofing properties. GX DPC is available in 30m lengths and in two widths, 600mm or 850mm.

Application

Visqueen GX DPC has a proven track record as a barrier membrane on gas contaminated and hydrocarbon contaminated brownfield sites. Visqueen GX DPC combines high strength with flexibility.

Testing for Chemical Resistance (EN 14414 and EN 14415)

The membrane has been tested against various harmful gases and dangerous contaminants such as hydrocarbons. In addition to this, GX DPC has been subjected to accelerated life immersion tests. EN 14414 and EN 14415 - Chemical resistance to leachates and aggressive chemicals - are designed to stress the membrane at a higher level of chemical concentration and temperature than it would experience in normal use. Changes in weight, volume, tensile strength and visual degradation are recorded to obtain the membrane's suitability to the challenge chemical.

These results are published below and assist designers and engineers in the suitability of GX DPC in various applications.

System Components:

- Visqueen GX Geomembrane
- Visqueen Gas Resistant Lap Tape
- Visqueen Surface DPC Fixing System
- Visqueen GX Double Sided Bonding Tape

VISQUEEN BUILDING PRODUCTS

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STRUCTURAL WATERPROOFING AND GAS PROTECTION SYSTEMS

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Installation

All joints in lengths of DPC must be a minimum of 100mm lapped and sealed with Visqueen GX Jointing Tape. Visqueen GX DPC should be installed in accordance with BS 8215: 1991, BS 8000: Part 3, 2001 and BS 5628: Part 3: 2005. Visqueen GX DPC must be bedded on both sides with fresh mortar and must project through the full width of the wall, including any externally applied rendering, and project 5mm beyond the finished external face.

Storage and Handling

Visqueen GX DPC is classified as nonhazardous when used in accordance with the relevant British Standards. The product is chemically inert and is not affected by acids and alkalis that may be present in the sub-soils.

SPECIFICATION SUPPORT

The following items are available to view online or to download from www.visqueenbuilding.co.uk

. Technical Datasheets
. Typical installation CAD details
. Health and Safety data

Register online for access to NBS Clauses and for information about our CPD Seminars

TECHNICAL SUPPORT

For advice on detailing or installation call Visqueen Building Products Technical Help Line 0845 302 4758. Pricing & Availability may be obtained from our UK Network of merchant stockists. For details of these call our Sales Office on 0845 302 4758.

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Technical Data and CE Mark

Visqueen GX Hydrocarbon Damp Proof Course complies with the requirements and clauses of EN 14909 - Flexible sheets for waterproofing - Plastic and rubber damp proof courses - Definitions and characteristics.

Visqueen GX Hydrocarbon Damp Proof Course products are manufactured under a Quality Management System (IS0 9001) - Certificate of Compliance reference no. 4560-3 by Knight International applies.

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Product Data

Characteristic	Test method	Units	Compliance criteria	Value or Statement
Length	EN 1848-2	m	-0/+10%	30
Width	EN 1848-2	m	-0/+10%	600 850
Thickness	EN 1849-2	mm	+/-20%	1
Mass	EN 1849-2	g/m^2	-12%/+12%	974
Tensile Strength - MD	EN EN12311	N/mm2	>MLV	22
Tensile Strength - CD	EN EN12311	N/mm2	>MLV	20
Tensile Elongation - MD	EN EN12311	%	>MLV	799
Tensile Elongation - CD	EN EN12311	%	>MLV	848
Joint Strength	EN12317-2	N	>MLV	515
Watertightness - 2kPa	EN 1928	-	Pass/Fail	Pass
Resistance to impact	EN 12691	mm	>=MLV	600
Resistance to static loading	EN 12730	kg	MLV	Pass-20
Resistance to Nail tear - MD	EN 12310-1	N	>=MLV	705
Resistance to Nail tear - CD	EN 12310-1	N	>=MLV	745
Durability-Heat ageing	EN 1296	-	Pass/Fail	Pass
Durability-Chemical resistance	EN 1847	-	Pass/Fail	Pass
Resistance to Low temperature	EN 495-5		MDV	Pass at - 40oC
Water vapour transmission - resistance	EN 1931	MNs/g	MDV	1171
Water vapour permeability	EN 1932	$g/m^2/day$	MDV	0.11
Reaction to Fire	EN 13501-1	Class	MDV	F
Methane Permeability	ISO2782	$ml/m^2/dy/bar$	MDV	0.198
Diesel Permeability	ISO 6179	$ml/m^2/dy/bar$	MDV	0.4

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Petrol Permeability	ISO 6179	g/m^2h	MDV	8.6
Xylene Permeability	ISO 6179	g/m^2h	MDV	14.6
Toluene Permeability	ISO 6179	g/m^2h	MDV	23
Chemical Resistance - Acids	EN 14414-A	-	Pass/Fail	Pass
Chemical Resistance - Alkalies	EN 14414-B	-	Pass/Fail	Pass
Chemical Resistance - Organic Solvents	EN 14414-C	-	Pass/Fail	Pass
Chemical Resistance - Visual Defects	EN 14414	-	Pass/Fail	Pass
Resistance to Leaching - Hot Water	EN 14415-A	-	Pass/Fail	Pass
Resistance to Leaching - Aqueous alkaline liquids	EN 14415-B	-	Pass/Fail	Pass
Resistance to Leaching - Organic alcohols	EN 14415-C	-	Pass/Fail	Pass
Resistance to Leaching - Visual Defects	EN 14415-A	-	Yes/No	No