

Technical Datasheet ATAL BBA DPM

Features and Benefits

- A certified - third party accreditation
- Manufactured using a minimum 85% recycled polyethylene
- Range of thicknesses available

Product Description

Atal BBA DPM is manufactured from a minimum 85% recycled polyethylene. The product is black in colour and available in three thicknesses: 0.25mm (4m x 25m) , 0.3mm (4m x 25m) and 0.5mm (4m x 12.5m). All rolls are supplied multi folded. Please note Atal BBA DPM is NOT accredited for radon applications. Please use either Atal Radon Barrier.

Approvals and Standards

- Third party accreditation (BBA 94/3009)
- UKCA UKNI CE to EN 13967:2017
- Quality Management System ISO 9001:2015
- Occupational Health and Safety System ISO 45001:2018
- Environmental Management System ISO 14001:2015

Usage

Atal BBA DPM is suitable for use in ground floor constructions, positioned above or below the structural floor, to protect buildings against moisture from the ground. The product is not intended for use where there is a risk of hydrostatic pressure or accredited for radon applications.

System Components

- Atal Double Sided Jointing Tape, 50mm x 10m
- Atal Single Sided Tape, 75mm x 50m
- Atal Protection Board

Storage and Handling

Atal BBA DPM should be stored vertically, under cover in its original packaging.
Care should be taken when handling the product in line with current manual handling regulations.

Storage and Handling

Atal BBA DPM should be installed on a smooth continuous surface e.g. grouted beam and block floor, a compacted blinding layer e.g. 50mm, or smooth concrete blinding. The substrate should be free from irregularities such as voids or protrusions.

The membrane can be cut with a sharp retractable safety knife or robust scissors.

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Installation

Atal BBA DPM should be loose laid on the substrate. The membrane should be clean and dry at the time of jointing. It should be overlapped by a minimum of 150mm, bonded with Atal Double Sided Jointing Tape and sealed with Atal Single Sided Tape.

Damp proofing seals should be formed around all service entry points. Atal Premsil 100 is available for sealing service entry pipe junctions.

If the membrane is punctured or perforated a patch of the same material should be lapped at least 150mm beyond the limits of the puncture and bonded with Atal Double Sided Jointing Tape and sealed with Atal Single Sided Tape. Alternatively a patch can be formed using Atal Premsil 100 lapped at least 150mm beyond the extents of the puncture.

The membrane should be covered immediately after installation to prevent damage from following trades, ultraviolet light, etc. Care should be taken to ensure that the membrane is not punctured, stretched or displaced when applying the final floor covering.

When reinforced concrete is to be laid over the membrane the wire reinforcements and spacers must be prevented from puncturing the membrane. Where there is a potential risk of damage, the membrane should be covered with Atal Protection Board, screed, or other approved protection material before positioning the reinforcement.

In areas where high levels of settlement are anticipated, Atal Bentofix 5000 should be considered.

Usable Temperature Range

It is recommended that Atal BBA DPM and all associated system components should not be installed below 5°C.

Additional Information

To assist build sequencing, Atal DPC is available for damp protection through masonry wall constructions.

Please note that Atal BBA DPM is NOT accredited for radon applications. Please use Atal Radon Barrier.

For additional detailing information, for welding options, or for further guidance on the selection of the most appropriate thickness of membrane, contact Atal Technical Office on 01495 717202.

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.

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Property	Test method	Units	Compliance Criteria	0.25mm	0.3mm	0.5mm
Dimensions	-	-	-	4mx25m	4mx25m	
Straightness	BS EN 1848-2	-	Pass/Fail	Pass	Pass	Pass
Tensile Strength – TD	BS EN 12311	N/ mm ²	>MLV	13	13	15
Tensile strength – TD	BS EN 12311	N/ mm ²	>MLV	13	13	15
Tensile elongation – MD	BS EN 12311	%	>MLV	400	400	400
Tensile elongation – TD	BS EN 12311	%	>MLV	400	400	400
Joint Strength	BS EN 12317-2	N	>MLV	136	169	256
Watertightness at 2kPa for 24 hours	BS EN 1928	-	Pass/Fail	Pass	Pass	Pass
Resistance to impact	BS EN 12691	mm	>MLV	200	200	200
Durability (artificial ageing)	BS EN 1296 and EN 1928	-	Pass/Fail	Pass	Pass	Pass
Durability chemical resistance	BS EN 1847	-	Pass/Fail	Pass	Pass	Pass
Resistance to tearing (nail shank) MD	BS EN 12310-1	N	MLV	140	175	270
Resistance to tearing (nail shank) TD	BS EN 12310-1	N	MLV	140	175	270
Water vapour transmission - resistance	BS EN 1931	MNs/g	MDV	586	682	1390
Water vapour transmission – permeability	BS EN 1931	g/m ² /d	MDV	0.36	0.32	0.16
Visible defects	BS EN 1850-2	-	Pass/Fail	Pass	Pass	Pass
Width	BS EN 1848-2	m	-2.5%/+2.5%	4m	4m	4m
Length	BS EN 1848-2	m	-10%/+10%	25	25	12.5
Tensile elongation – MD	BS EN 12311	%	MDV	699		
Tensile elongation – CD	BS EN 12311	%	MDV	723		
Joint strength	BS EN 12317-2	N	MDV	265		
Watertightness 2kPa	BS EN 1928	-	Pass/	Pass		

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Health and safety information

Refer to the Atal BBA DPM safety datasheet (SDS).

Atal Technical Support

Atal offers nationwide and comprehensive technical support for all types of sites and construction projects.

Our team of CSSW qualified technical managers, technical advisors and site support operatives will be happy to help with our [free design service](#), free site visits, and free product training.

Atal is proud to support your project from the beginning stages, right up to the end.

Atal CPD Seminars

Atal CPD Seminars offer in-depth overviews of structural waterproofing, ground gas protection, building regulations, and industry standards.

Our seminars are created by our team of CSSW qualified technical managers, capable of catering to a project of your choosing, and are available for everyone eager to learn about or continue their professions in the construction industry.

Book your FREE CPD Seminar here.

<https://ataluk.com/our-services/book-a-cpd>

For any enquiries, or help with your project requiring structural waterproofing, contact us via phone or email below.
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Agrément Certificate
94/3009