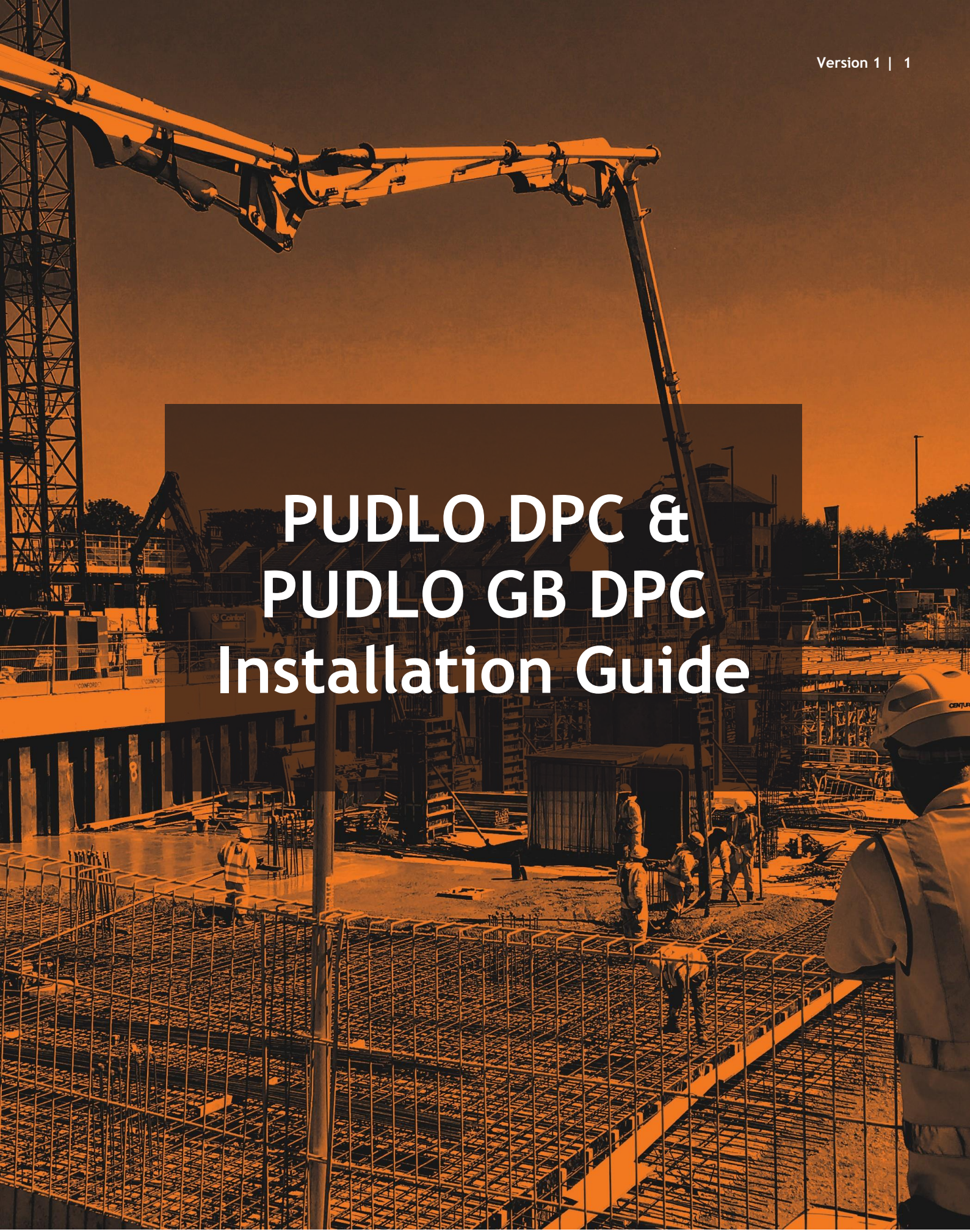

PUDLO DPC & PUDLO GB DPC Installation Guide

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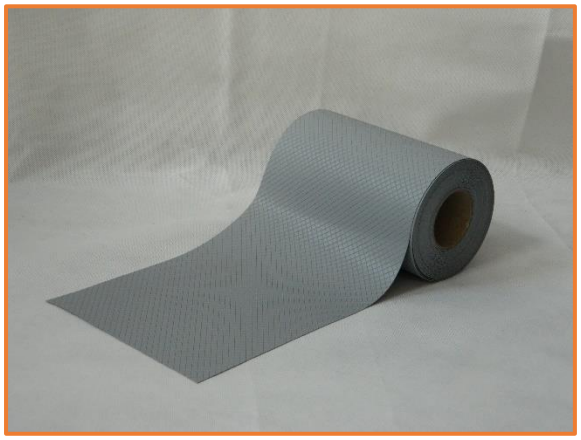
1-Introduction

PUDLO Waterproofing Systems has been at the forefront of protecting structures from water ingress for over 140 years. In 2016, PUDLO introduced its first membranes into its waterproofing range. In 2017, PUDLO successfully added two more Type A membranes to its growing list of waterproofing systems

2-PUDLO DPC

PUDLO DPC is high-performance damp-proof course for protection against water vapour and radon in above ground application and provide continuous protection from a property up and into cavity wall. For easy to follow guidance, this installation guide is intended to provide best practice and PUDLO are not responsible for any deviation away from this material.

PUDLO DPC High Performance Damp-proof Course is a flexible sheet comprising virgin low-density polyethylene and colour additives, extruded into a sheet form with an embossed surface to assist mortar adhesion.



Why choose PUDLO DPC?

PUDLO DPC comes with many added benefits listed below but not limited to

- BBA approved
- Taped or heat-welded system
- Complies BS EN 14909:2012
- High puncture and tear resistant

Superior mortar adhesion due to the prominent embossing Further information on technical performance can be found on our PUDLO DPC technical data sheet and BBA certificate.

Installation

PUDLO DPC, when correctly specified and installed in accordance with BBA certificate, is satisfactory for use as a horizontal, vertical or stepped dpc (including cavity trays), in either solid or cavity walls of brick, stone or concrete. General standards of good design practice are given in BS EN 1996-1-1: 2005, BS EN 1996-1-2: 2005, BS EN 1996-2: 2006 and BS EN 1996-3: 2006, and their UK National Annexes, and PD 6697: 2010.

PUDLO DPC, must be laid on a wet, even bed of mortar and extend through the full thickness of the wall or wall leaf, including pointing, applied rendering or other facing material with perforations in adjacent courses of brickwork must be completely filled with mortar. All lap joints in the PUDLO DPC system must have a minimum 150 mm overlap and be completely sealed joined must be clean and dry. The release paper protecting the tape should not be removed until the joint is ready to be formed. The tape should not be left exposed. Certain details are difficult to form with the DPC, particularly when bending the material through two angles at the same time. In such cases, care must be taken to achieve a satisfactory seal and, where necessary, PUDLO DPC preformed cloaks used.

When using the product with boot lintels or similar constructions, it is installed to follow the lintel profile wherever possible.

Beam and block

When used with beam and block flooring, the PUDLO DPC may be laid dry on a brick or block wall provided that:

- Dead and imposed loads upon the PUDLO DPC via the beam do not exceed 2.5 N·mm 2
- Surface of the wall onto which the PUDLO

  DPC and beam are to be installed is clean, smooth and free from projections or perforations. If this cannot be achieved, PUDLO DPC should be laid in an even bed of mortar
- loose aggregate is swept from the wall prior to installation of the PUDLO DPC, and from the material prior to installation of the beams.

Limitations

Care must be taken to avoid damaging the PUDLO DPC during cleaning of mortar droppings. Recommendations for avoiding damage occurring are:

- Use of cavity battens to prevent mortar droppings from reaching the PUDLO DPC
- Removal of mortar droppings before they harden
- Avoidance of use of implements such as steel rods for cleaning
- Examination of the PUDLO DPC for damage as work proceeds

PUDLO DPC will not extrude under load up to the point of compressive failure of the wall and will not adversely affect the ability of a properly designed and built wall to sustain and transmit compression load. Stability of a wall in respect of lateral loads must be checked in relation to the stresses permitted between the PUDLO DPC and the mortar. A wall incorporating the product must be designed and built in accordance with BS EN 1996-1-1: 2005.

PUDLO DPC will withstand movement of the wall and is unlikely to be impaired by normally occurring movements up to the point where the wall itself is deemed to have failed.

Repair

Damaged areas of the PUDLO DPC can be repaired prior to installation by cutting and/or replacing the damaged section, ensuring joints are installed correctly. **Once covered, the product cannot be repaired.**

3-PUDLO GB DPC

PUDLO GB DPC is high performance try-polymer gas resistant dpc for protection of carbon dioxide, methane and radon in above ground application and provide continuous protection from a property up and into cavity wall. For easy to follow guidance, this installation guide is intended to provide best practice and PUDLO are not responsible for any deviation away from this material

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Why choose PUDLO GB DPC?

PUDLO GB DPC comes with many added benefits listed below but not limited to

- BBA approved
- Taped or heat-welded system
- Complies with BS8485:2015+A1:2019
- Complies BS EN 14909:2012
- High puncture, tear resistance
- Superior mortar adhesion due to the prominent embossing
- Suitable for use in sites with gas characteristics CS2 and CS3

Further information on technical performance can be found on our PUDLO GB DPC technical data sheet and BBA certificate.

Installation

PUDLO GB DPC, when correctly specified and installed in accordance with BBA certificate, is satisfactory for use as a horizontal, vertical, or stepped dpc (including cavity trays), in either solid or cavity walls of brick, stone or concrete. General standards of good design practice are given in BS EN

1996-1-1: 2005, BS EN 1996-1-2: 2005, BS EN 1996-2: 2006 and BS EN 1996-3: 2006, and their UK National Annexes, and PD 6697: 2010.

PUDLO GB DPC, must be laid on a wet, even bed of mortar and extend through the full thickness of the wall or wall leaf, including pointing, applied rendering or other facing material with perforations in adjacent courses of brickwork must be completely filled with mortar. All lap joints in the PUDLO GB DPC system must have a minimum 150 mm overlap and be completely sealed with PUDLO GB Tape. All surfaces to be joined must be clean and dry. The release paper protecting the tape should not be removed until the joint is ready to be formed. The tape should not be left exposed. Certain details are difficult to form with the dpc, particularly when bending the material through two angles at the same time. In such cases, care must be taken to achieve a satisfactory seal and, where necessary, PUDLO GB DPC preformed cloaks used.

When using the product with boot lintels or similar constructions, it is installed to follow the lintel profile wherever possible

Beam and block

When used with beam and block flooring, the PUDLO GB DPC may be laid dry on a brick or block wall provided that:

- Dead and imposed loads upon the PUDLO GB DPC via the beam do not exceed 2.5 N·mm-2
- Surface of the wall onto which the PUDLO GB DPC and beam are to be installed is clean, smooth, and free from projections or perforations. If this cannot be achieved, PUDLO GB DPC should be laid in an even bed of mortar
- loose aggregate is swept from the wall prior to installation of the PUDLO GB DPC, and from the material prior to installation of the beams.

Limitations

Care must be taken to avoid damaging the PUDLO GB DPC during cleaning of mortar droppings. Recommendations for avoiding damage occurring are:

- Use of cavity battens to prevent mortar droppings from reaching the PUDLO GB DPC
- Removal of mortar droppings before they harden
- Avoidance of use of implements such as steel rods for cleaning
- Examination of the PUDLO GB DPC for damage as work proceeds

PUDLO GB DPC will not extrude under load up to the point of compressive failure of the wall and will not adversely affect the ability

of a properly designed and built wall to sustain and transmit compression load. Stability of a wall in respect of lateral loads must be checked in relation to the stresses permitted between the PUDLO GB DPC and the mortar. A wall incorporating the product must be designed and built in accordance with BS EN 1996-1-1: 2005.

PUDLO GB DPC will withstand movement of the wall and is unlikely to be impaired by normally occurring movements up to the point where the wall itself is deemed to have failed.

Repair

Damaged areas of the PUDLO GB DPC can be repaired prior to installation by cutting and/or replacing the damaged section, ensuring joints are installed correctly. **Once covered, the product cannot be repaired**

Limited Warranty

PUDLO DPC & PUDLO GB DPC should only be installed once the site ground conditions are suitable to receive the waterproofing product. **PUDLO DPC & PUDLO GB DPC** is designed to be used on most substrates and is NOT designed to waterproof against hydrostatic pressure as a single system or movement / expansion joints. Please consult PUDLO for special installation guidelines. The information and data contained herein is believed to be accurate and reliable. Specifications and other information contained within this 'guide' supersede all previously printed material and is subject to change without prior notice. Manufacturer's warranty of the installed system is available. Please contact PUDLO for terms and limitations. All goods sold by the seller are warranted to be free from defects in material and workmanship. The warranty is in lieu of and excludes all other warranties not expressly set forth herein. Seller shall not be liable for incidental or consequential losses, damages or expenses, directly or indirectly arising from the sale, handling or use of goods, or form any other cause relating thereto, and seller's liability hereunder in any case is expressly limited to the replacement (in the form originally shipped) of goods not complying with this agreement or at seller's election, to the repayment of, or crediting buyer with, an amount equal to the purchase price of such goods, whether such claims are for breach of warranty or negligence. Any claim by buyer with reference to the goods sold hereunder for any cause shall be deemed waived by buyer unless submitted to seller in writing within 30 days from the date buyer discovered or should have discovered any claimed breach.

Materials should be inspected and tested by purchaser prior to their use if product quality is subject to verification after shipment. Performance guarantees are normally supplied by the applicator of the **PUDLO DPC & PUDLO GB DPC** System