

PUDLO PremDeck Specification Document



Part of the DBGroup

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Contents

1. Introduction
2. Summary
 - 2.1 Concrete Application
 - 2.1.2- For build-up of PUDLO
 - 2.2- Preparation
 - 2.2.1- Drainage and Falls
 - 2.2.2- Inspection / Remediation
 - 2.2.3- Preparation
 - 2.3 PUDLO PremDeck application
 - 2.3.1- Overview
 - 2.3.2 Specialist Installers
 - 2.3.3 Weather
 - 2.3.4 Colour differentiation
 - 2.3.5 Application of Primer
 - 2.3.6 Coatings
 - 2.3.7 PUDLO PremDeck Anti-Slip
 - 2.3.8 Protection of PUDLO PremDeck
- System
 - 2.3.9 Design / Details
 - 2.3.10 Roof Application
- 2.4- Certification
 - 2.4.1 PUDLO PremDeck
- 2.5- Health and Safety
 - 2.5.1- Material Safety Data Sheet
 - 2.5.2 Risk Assessment

1-Introduction

PUDLO PremDeck is a highly advanced liquid waterproofing system and provides a robust waterproofing solution for podium deck / suspended slabs, terraces and balconies.

This outline specification document is intended to provide a basic understanding of the system and does not replace sound advice on its components, ancillaries and installation guides. Please consult PUDLO Waterproof Systems prior to the application of the material.

For more information please do hesitate to contact us through the following formats:

- www.pudlo.com
- technical@dbgholdings.com
- 01954 780 687 (option 1 for sales/technical)

Note.

This document is to be used as a guide and is not site specific. PUDLO Waterproof Systems always recommend a site survey is carried out or the end user contacts their key account / specification manager for more information. Where external parties i.e. client / architect / engineer is taking on the design responsibility of the system (where not included in the PUDLO Performance Warranty), all relevant clauses to their own contracts. Nothing contained in this document or any other literature produced by PUDLO Waterproof Systems or on our behalf is to be regarded as constituting a contract binding in law between PUDLO Waterproof Systems / DB Group Holdings Ltd and any customer. PUDLO Waterproof Systems will only enter into a warranty where our performance warranty has been requested or qualifying criteria / approval has been obtained by ourselves.

Please refer to limited warranty statement on final page

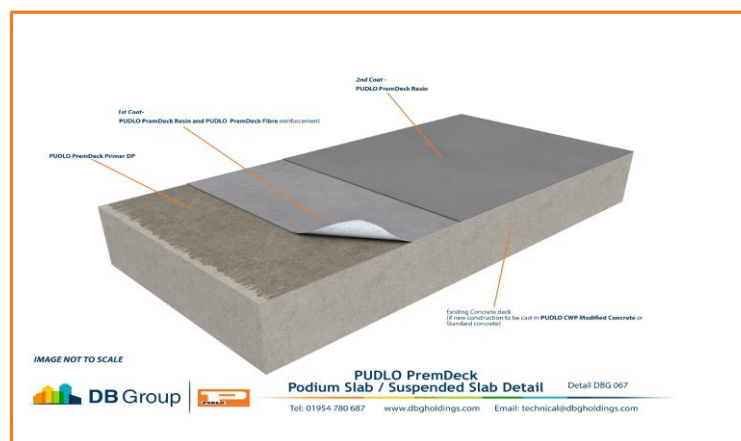
2.0- Summary

Information below relates to a new waterproofing system only.

2.1 Concrete Application

Prior to application of PUDLO PremDeck, the substrate should be free from any laitance and defects. Defects that remain must be remediated in line with a PUDLO Waterproof System method statement.

2.1.2- For build-up of PUDLO PremDeck system, the application should be applied as per illustration below.



2.2- Preparation

2.2.1- Drainage and Falls

PUDLO PremDeck utilises existing falls and any problems relating to standing water will remain. It is important to note, standing water is NOT detrimental to the PUDLO PremDeck system. However, it good be hazardous to foot traffic when exposed to icy conditions, so please be careful. Should you require assistance on existing falls please contact us for further details. New concrete decks should be designed to falls in accordance with clients / structural engineers' requirements. Improvements to drainage are to be specified and designed by other parties.

2.2.2- Inspection / Remediation

All concrete prior to application must be free from all defects. All defects are to be made good as per PUDLO Waterproof System instructions. Any substrates which are wet or saturated must be dried thoroughly before PUDLO PremDeck is applied to the surface.

In the event live water is present through a crack in the concrete this must be resin injected by a PUDLO 3rd party approved specialist. Only once the area is completely dry and defect free should the liquid membrane be applied. PUDLO are not responsible for any defects to the PUDLO PremDeck system where correct surface preparation has not been followed

2.2.3- Preparation

Once defects have been remediated, it is important that all surfaces are cleaned down prior to treatment of material by removing dirt, debris, surface lying water, mould growth and moss etc. Areas where fungal growth is present must be treated with PUDLO PremDeck Anti-Fungal wash to ensure all spores are destroyed. Power wash to remove any residue. Note: any spores not fully destroyed will compromise the waterproofing system.

Smooth concrete surfaces to be treated should be lightly abraded with suitable equipment (e.g. vacublast, diamond disc grind etc). where necessary to remove laitance and/or remove other impervious matter, concrete curing membranes etc. until a clean, dry and open surface is achieved.

Where non-structural cracks and voids are present, these should be sealed and made good using PS Concrete Repair, PS Rapid Mortar or PS Hi-Flow Grouting Mortar. PUDLO Waterproofing Systems will advise all parties accordingly.

Newly laid PUDLO CWP or standard concrete (including screed applications) should be given at least 28 days minimum to achieve to necessary strength / curing regime prior to application of PUDLO PremDeck liquid membrane system.

2.3 PUDLO PremDeck application

2.3.1- Overview

PUDLO PremDeck is a cold applied reinforced polymer resin system, this system can be applied by hand providing a seamless and joint free waterproofing membrane. PUDLO PremDeck must be installed in accordance with the specification, BBA certification and any other supporting literature. if unsure at any time regarding the application please contact PUDLO Waterproof Systems as soon as possible.

2.3.2 Specialist Installers

PUDLO Waterproof Systems have a vast of network of specialist installers who are fully trained on the application of PUDLO PremDeck. Confirmation of specialist installers is available by contacting PUDLO Waterproof Systems on 01954 780 687 (option 1) or email sales@pudlo.com

Upon completion of works, a final inspection shall be carried out by the specialist installer prior to installation warranty being issued. PUDLO Waterproof System usually do not include PUDLO PremDeck within its performance warranties nor do we allow the ground worker to install the material. We are more than happy to discuss your project requirements with you.

2.3.3 Weather

PUDLO PremDeck should not be installed where the air temperature is outside the range of 3°C and 30°C. PUDLO PremDeck can be installed in conditions as low as 1°C, however the product will require an accelerator to be added. PUDLO PremDeck must NOT be applied in damp or cold conditions which may cause surface condensation, during frost and rain / wet weather.

2.3.4 Colour differentiation

PUDLO PremDeck comes in an off white / grey colour. Should you require additional colours please contact PUDLO to discuss further.

Please DO NOT add your own pigments to the resin compound.

2.3.5 Application of Primer

Prior to application of PUDLO PremDeck It is important that primer is applied to substrate. Without primer, the material will not perform to its intended purpose and will cause defects in the system. PUDLO PremDeck, comes with a range of different primers which depend on surface application. Please see list below:

PUDLO PremDeck Primer DP - default primer for most surfaces including concrete. Approximate coverage rate of 4-6m²/litre. Prior to application of resin, please allow for the primer to cure.

PUDLO PremDeck Primer M - primer for application to metal substrates

It is important, PUDLO Waterproof Systems are contacted prior to any of the system materials are installed so we can advise on best practice.

2.3.6 Coatings

The coverage rate of the first coat varies depending on the roughness of the surface. Guidance is provided below however it is always advisable to ascertain coverage on site through a test area

Smooth - 1.3 - 1.5 litres/m² for first coat

Medium - 1.5 - 1.7 litres/m² for first coat

Rough - 1.7 - 2.0 litres/m² for first coat

The second coat coverage is always 0.5 l/m²

All applications of PUDLO PremDeck must be allowed to cure before over-coating or covering

2.3.7 PUDLO PremDeck Anti-Slip

PUDLO PremDeck is designed as a material compound to allow for foot traffic, which requires normal maintenance. However, we can provide anti slip finish should it be required. To discuss specific requirements please contact us directly for more information.

Note: Application of PUDLO PremDeck resin or primer must be checked for pin holes or any inconsistency coverage on the substrate.

All defects must be rectified by the applicator

2.3.8 Protection of PUDLO PremDeck System

Follow on trades usually have no regard for waterproofing systems once they have been installed. The client and the applicator must put in place adequate protection measures to prevent the system from being damaged and waterproofing compromised. Specific access to the area must be discussed between ground worker / main contractor / follow on trade and the applicator of PUDLO PremDeck. PUDLO Waterproof Systems take no responsibility on damage to the system once it has been installed.

2.3.9 Design / Details

Application of PUDLO PremDeck shall be covered by typical details which can be found on our website or by contacting your key account manager / specification manager. Alternatively, please contact technical department at technical@dbgholdings.com

PUDLO Waterproof Systems can provide pre-formed PUDLO PremDeck Trims for mechanical fixing to a suitable substrate at 150mm maximum centres using approved fixings to form edge detailing. All joints must be reinforced with PUDLO PremDeck resin and 2 layers of PUDLO PremDeck Fibre

2.3.10 Roof Application

Prior to application of PUDLO PremDeck, it is important a roof survey has been carried out to determine the current state of the substrate. Once survey has been carried out please refer to our website CAD details for more information

Notes:

- Redundant roof material must be removed prior to PUDLO PremDeck application. The roof area underneath must be made good as required to ensure it matches the build-up of the surrounding roof
- Roof termination details should have 150mm minimum upstand height above the surface of the roof and terminated into a chase or suitable cover flashing or weathering flange.
- Ensure the roof is fully primed and prepared in accordance with our system requirements

2.4- Certification

2.4.1 PUDLO PremDeck is fully BBA accredited and is an acceptable system where insurances houses are involved on the scheme. For more information please refer to the following reference points:

- BBA certificate
- PUDLO PremDeck Installation Guide
- PUDLO PremDeck TDS
- PUDLO PremDeck MSDS

2.5- Health and Safety

2.5.1- Material Safety Data Sheet

MSDS for further information. It is the responsibility of the specialist installer or end user to ensure the material is always used in safe manner. Please refer to our MSDS for solvent information.

2.5.2 Risk Assessment

Prior to any application of our waterproofing liquid, please carry out necessary risk assessments (including COSHH assessments). Method statements are to be carried out prior to commencement of works

Note: we strongly advise the applicator applies a test sample to an area of the substrate first to ensure compatibility