

TYPE B INTEGRAL WATERPROOFING

# PUDLO 2.5 CWP

**PUDLO 2.5 CWP is a hydrophobic, pore-blocking admixture. A dual-purpose, multi-component powdered admixture comprising a powerful single dosage pack providing outstanding long-term durability and waterproofing properties to all concrete mixes.**



## USES

- Below ground structures (habitable and car parks) including lift pits, slabs, liner walls and capping beams
- Podium decks & green roofs
- Tunnels
- Liquid retaining structures (inc. swimming pools)
- Volatile ground conditions e.g., waste transfer stations

## MIXING INSTRUCTIONS

- The dosage for PUDLO 2.5 CWP should be trialed first using site conditions and materials
- 1 x 2.5kg bag per m<sup>3</sup> of concrete. Part loads must be rounded up to full bag dosage. Do not under dose
- Minimum Cement Content 350kg/m<sup>3</sup>
- Maximum Water Cement ratio 0.40
- Minimum Water Cement Ratio 0.35

## APPLICATION & INSTALLATION

It's essential that good concrete practice is followed during the placement of the concrete. PUDLO 2.5 CWP should be fully compacted, and correctly cured in accordance with industry guidelines / standards. Failure to adhere to these guidelines may cause moisture or water ingress.

## TECHNICAL SERVICES

For further assistance with any PUDLO products, we have a dedicated technical department that is TechICT / AMICT and CSSW accredited who are on hand to help with any technical queries. Please contact our technical team at: [technical@pudlo.com](mailto:technical@pudlo.com).

## BENEFITS

- Can be used as a single system waterproofing system
- Suitable for use with all CEM I mixes (100% OPC) and blended cement replacement mix designs using GGBS, PFA and Microsilica.
- Provides permanent significant reduction in permeability, reduction in carbonation of concrete, increases long-term durability
- Suitable for use with all structural concrete mixes including ready-mix, precast and spray applied application
- Reduces bleed, segregation, efflorescence, and staining
- Supplied in dissolvable paper bags
- Improves resistance to sulphate, chloride and chemical attack including leachates. Reduces shrinkage, enhances protection against frost attack, provides sound concrete for the protection of reinforcement steel

## HEALTH & SAFETY

It is recommended that a P3 dust mask or similar respirator, protective gloves, eye protection, and protective work clothing are worn when using PUDLO 2.5 CWP.

Refer to MSDS for more information



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**STORAGE & SHELF LIFE**

- Store in an area protected from frost, sunlight, and moisture. Please keep dry
- Recommended shelf-life for PUDLO 2.5 CWP is 12-months.  
*Note: this shelf-life is recommendation only. Please contact the PUDLO technical support team for more information at: [technical@pudlo.com](mailto:technical@pudlo.com)*

**PRODUCT DIMENSIONS, COVERAGE & PACKAGING**

- PUDLO 2.5 CWP is packaged in 2.5kg bags. Bulk options are available – please contact us for details.
- 60 boxes to a pallet with 4 bags of PUDLO 2.5 CWP in each box. Each full pallet can provide waterproofing additive for 240m<sup>3</sup> of concrete.

**TECHNICAL DATA**

**EFFECTS OF PUDLO 2.5 CWP ON THE HARDENED PROPERTIES OF CONCRETE**

Property	Control (plain) concrete	PUDLO 2.5 CWP	Test reference
Water vapour permeability (g m-224h-1)	11.048	10.064	BS 1377
Water permeability (ms <sup>-1</sup> )	2.49x10-14	8.73x10-15	VINCI Technology Centre test procedure VTPN950/09/106010
Drying shrinkage (%)	0.037	0.034	BS 1881-5:1970
Wetting expansion	0.016	0.018	BS 1881-5:1970
Compressive strength (MPa) 28 days	60.2	58.8	BS EN 12390-3:2009
Capillary absorption (g.mm <sup>-2</sup> x 10 <sup>-3</sup> )			
7-day cure	0.0062	0.0030	BS EN 480-5
90-day cure	0.0132	0.0078	

**PRODUCT NUMBER**

**4600/0002**