



**New Dubai Petlo** is used for buildings' structural integrity be preserved in order to avoid water-related problems including leaks, mold development, and corrosion of building components. The interior of a building is kept dry and comfortable with proper waterproofing, which also increases the longevity of the building under the quality standard BS EN ISO 9001: 2000.

## ADVANTAGES

- Waterproofing.
- Damp-Proofing.
- Improved Durability.
- Compatibility.
- Long-Term Performance.
- Ease of Application.
- Safe to use.

## TECHNICAL DATA

	Control (no admixture)	<b>Petlo</b> concrete at 2%
Water Cement ratio	0.45	0.38
Slump mm	50	50
Water Sorptivity mm/min <sup>1/2</sup>	0.65	0.05
Water permeability m <sup>2</sup> /s <sup>-1</sup> x10 <sup>-13</sup>	39.45	12.1
Oxygen Diffusion m <sup>2</sup> /s <sup>-1</sup> x10 <sup>-8</sup>	0.83	0.71
Chloride Diffusion m <sup>2</sup> /s <sup>-1</sup> x10 <sup>-13</sup>	2.05	0.42
7 day strength Mpa	33	52
28 day strength Mpa	43	61

Independent Test Data: Concrete Durability Group, Department of Civil Eng, Imperial College of Science, Technology and Medicine, LONDON, SW7 2BU

## Product Preparation & Application

Prepare the cement and aggregates in a mixing container or concrete mixer, combine the dry ingredients, including cement and aggregates (sand and gravel). Ensure they are well mixed before adding water or any admixtures. Add **New Dubai Petlo Powder** with the dry ingredients well mixed. You can sprinkle it evenly over the surface of the dry mix. During mixing, monitor the concrete's consistency (slump) to ensure it meets your project's requirements. Continue mixing until you achieve a uniform. Once your concrete mix is ready, pour it into your forms or construction area and complete your desired finishing techniques, such as smoothing or troweling. After pouring and finishing, follow proper curing procedures to allow the concrete to set and gain strength. Curing methods may include covering with wet burlap, plastic sheeting, or applying curing compounds, depending on your project's requirements.



Plot # MB-83 Mehran Town, Korangi Industrial Area Karachi, Pakistan



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## USES

- Integral waterproofing of all concrete and cementitious based systems.
- To reduce permeability, absorption and efflorescence.
- To reduce water/cement ratio (up to 15%).
- To provide long-term concrete durability.
- Applicable in all structural, readymix and precast concretes.
- To reduce shrinkage
- To inhibit corrosion (Factor of 5 reduction in chloride ingress).

## PACKAGING

New Dubai Petlo Powder is available in the following packaging:

1, 2, 5 & 10 KG Bags.

## SHELF LIFE

12 months after the date of production when kept in the original, undamaged packaging and kept in a warehouse environment. Extreme humidity and temperature may shorten shelf life.

## HEALTH & SAFETY

New Dubai Petlo Powder is thought to be safe for shipment. Avoid reusing bags or containers, and dispose of them in accordance with local laws. During application, gloves and the appropriate masks can be worn. For more details on the product's health and safety.



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