



# FAIRMATE PUDLO<sup>TM</sup>

## Cement Waterproofing & Durability Enhancing Powder

### BENEFITS

- **Permanent Waterproofing:** Capillary pore blocking ensures long-term protection.
- **Higher Strength Gain:** Improves both compressive and flexural strength.
- **Durability Enhancer:** Reduces permeability and carbonation, extending concrete life.
- **Chemical Resistance:** Protects against chlorides, sulphates, alkalis, and acids.
- **Corrosion Protection:** Safeguards reinforcement steel from rust and chloride ingress.
- **Shrinkage & Cracking Control:** Minimizes drying shrinkage cracks.
- **Improved Workability:** Acts as a plasticizer, reducing water demand.
- **Eco-Friendly:** Free from harmful chemicals, non-toxic, and environmentally safe.
- **Green Building Compliant:** Suitable for projects targeting LEED / IGBC credits.
- **Proven Technology:** German-engineered formulation with international track record.

### DESCRIPTION

**FAIRMATE PUDLO** is an advanced, multi-component cement waterproofing admixture designed with next-generation technology. It penetrates deep into the capillaries of concrete, blocking micro-pores and cracks through nano-particle sealing. The product not only provides integral waterproofing but also enhances concrete durability, mechanical strength, and resistance to aggressive environments.

### USES

- Integral waterproofing of all concrete and cementitious mortars.
- Foundations, basements, retaining walls, water tanks, tunnels, and dams.
- Roof slabs, terraces, wet areas such as toilets, bathrooms, and kitchens.
- Precast, ready-mix, and pumped concrete applications.
- High-performance concrete in marine and coastal structures.
- Suitable for critical infrastructure projects (bridges, flyovers, industrial floors).

### PERFORMANCE CHARACTERISTICS

**FAIRMATE PUDLO** enhances the performance of concrete by reducing permeability up to 90% and providing strong resistance to water penetration. It slightly modifies the setting time, ensuring better hydration and improved strength development. The admixture also improves workability without increasing water demand, controls efflorescence, reduces shrinkage cracks, and protects reinforcement steel against corrosion. With enhanced resistance to chlorides, sulphates, carbonation, and chemical attack, it ensures long-term durability of concrete even in aggressive environments.

### TYPICAL PERFORMANCE DATA

Property	Control Concrete	FAIRMATE PUDLO Concrete
Water-Cement Ratio	0.45	0.38
Workability (Slump, mm)	50	80 (Improved)
7-Day Strength (MPa)	33	55
28-Day Strength (MPa)	43	68
Water Absorption (%)	High	< 1%
Sorptivity (mm/min <sup>1/2</sup> )	0.65	0.05
Chloride Diffusion (x10 <sup>-13</sup> m <sup>2</sup> /s)	2.05	0.35
Oxygen Diffusion (x10 <sup>-8</sup> m <sup>2</sup> /s)	0.83	0.60

### GUIDELINES FOR USE:

Recommended dosage: 1% – 3% by weight of cement.

### Dispensing and Mixing:

- Example: 1 kg FAIRMATE PUDLO per 100 kg cements.
- Water-Cement ratio should not exceed 0.40.
- Add **FAIRMATE PUDLO** with cement or immediately after cement addition.
- Ensure thorough mixing to achieve homogeneous concrete.

# FAIRMATE PUDLO™



## PACKING

Available in: 1 kg, 5 kg, 10 kg, 25 kg.

## SHELF LIFE & STORAGE

Shelf Life: Minimum **\*\*24 months\*\*** in sealed original packaging stored in dry conditions

## HEALTH & SAFETY

**FAIRMATE PUDLO** is non-toxic, non-flammable, and safe to use. However, standard protective measures should be taken:

- Use gloves, safety goggles, and dust mask during mixing and handling
- In case of contact with skin or eyes, wash immediately with clean water
- Refer to the Safety Data Sheet (SDS) for detailed instructions

## QUALITY ASSURANCE

- Manufactured under **\*\*ISO 9001:2015\*\*** Quality Standards.
- Complies with **\*\*ASTM C494 Type A & D\*\*** and **\*\*EN 934-2\*\*** requirements.
- Green Product, Low VOC, Environmentally Safe.
- Independently tested by accredited laboratories for durability & performance.

## TECHNICAL SERVICES

**FAIRMATE PUDLO** is fully supported by the technical expertise of FAIRMATE CHEMICALS PVT.LTD. Our dedicated technical service team provides complete assistance starting from recommending the right dosage and mix design to ensuring proper on-site application. We also offer laboratory testing facilities, training sessions, and practical demonstrations to ensure the best performance of the product. In addition, our experts remain available for troubleshooting and project-specific guidance, so that every application of FAIRMATE PUDLO delivers maximum durability and waterproofing efficiency.

## OUR RANGE OF PRODUCTS

<b>CONCRETE ADMIXTURES</b> <b>WATERPROOFING SYSTEMS</b> <b>ENGINEERING GROUTS</b> <b>INDUSTRIAL FLOOR SURFACES</b>	<b>CONCRETE REPAIRS</b> <b>SURFACE TREATMENT</b> <b>PREPACKED CONCRETE MORTAR</b> <b>PROTECTIVE COATING</b>	<b>HIGHWAY REPAIR</b> <b>ARCHITECTURAL FINISH</b>
---	--	--

"Contact us to discuss any potential requirement and you will be assured of a rapid and effective response - that's guarantee !!"

Complete range of construction chemical products - Foundation to Finish



**Corporate Office**  
**FAIRMATE CHEMICALS PVT.LTD.**  
8, "SAI SUDHA", Arunoday Society,  
Alkapuri, Vadodara 390007, Gujarat, India

Intechnical collaboration with RBPLtd.UK  
Always better than the best in Quality, Services & Values

+912652330803, 2331193  
+912652358173  
**18001234534 (Toll Free)**

sales@fairmate.com  
www.fairmate.com



**International Manufacturing Hubs / Offices:**  
AUSTRALIA BANGLADESH BHUTAN BRAZIL ESTONIA INDONESIA KENYA MYANMAR NEPAL PHILIPPINES QATAR RUSSIA SRI LANKA USA VENEZUELA

The information given in this data sheet is based on both the current development work and many years of field experience. Whilst every effort is made to ensure that the information is reliable, we cannot accept the responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc. The user of the product must test the product's suitability for the intended application and purpose. In view of the continuing research and development being undertaken in our laboratories, Fairmate reserves the right to change the properties of its products. We advise customers in their own interest to ensure that this data sheet has not been superseded by a more up-to-date publication. All products are sold subjected to our standard conditions of sale which are available on request. Field services, where provided, does not constitute supervisory responsibility. For additional information, please contact our local FAIRMATE representative.