

**THE GAME-CHANGER
IN
HEAT AND ENERGY CAPTURE**

**FILTERSORB
FILTRATION
ADSORPTION**

INSTANT PRODUCTS

**OXY TREATMENT
SYSTEMS**

INSTANT POOL COVER

INSTANT POWDER-BASED WATER CONSERVATION TECHNOLOGY

INTRODUCTION

Instant Pool Cover is an **Instant Powder-Based** water conservation technology designed to prevent excessive water evaporation from **Swimming Pools, Lakes, Reservoirs, and other water bodies.**

First time ever, Instant Pool Cover is a **powder** that is **diluted into a 5% solution** before application.

It then forms an invisible protective barrier over the water surface, drastically reducing evaporation while maintaining water quality and clarity. This innovative solution is **Safe, Non-Toxic and eco-friendly.**

HOW IT WORKS

Instant Pool Cover is a **highly soluble powder** that, when diluted in water (**5% solution**), spreads over the water surface to form **ULTRA-THIN-LAYER** that prevents evaporation.

Its self-spreading molecular structure allows it to distribute evenly across large water surfaces. **Unlike physical pool covers,** this solution is an invisible layer is unaffected by wind and remains effective even in high temperatures up to 50°C (131°F). **Instant Pool Cover is 100% biodegradable,** safe for aquatic life, and does not interfere with water quality.

THE WORLD'S FIRST

POWDER BASED WATER DILUTABLE POOL COVER

KEY BENEFITS

- ◆ **Powder formulation** : Easy to store and handle
- ◆ **Must be diluted into a - 5% solution** before application.
- ◆ **Reduces evaporation by - 70-90%** preserving water resources.
- ◆ **Works effectively in high & low temperatures up to (5°C - 60°C or 41°F - 140°F)**
- ◆ **Non-toxic and environmentally friendly**
- ◆ **Helps in - Drought mitigation and climate resilience efforts**
- ◆ **Reduces operational costs - For water storage and treatment facilities**
- ◆ **Ideal & perfect for**



Swimming Pools



Lakes & Lagoons

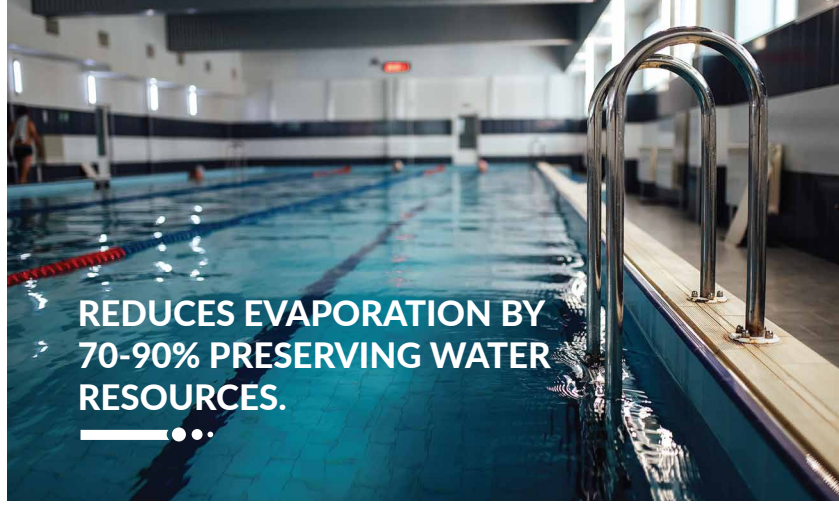


Reservoirs



Municipal water storage

-  FILTERSORB
-  FILTRATION
-  ADSORPTION
-  INSTANT PRODUCTS
-  OXY TREATMENT
-  SYSTEMS



REDUCES EVAPORATION BY 70-90% PRESERVING WATER RESOURCES.

APPLICATIONS

1 | Swimming Pools

Prevents unnecessary water and heat loss and reduces electricity and maintenance costs.

2 | Lakes & Lagoons

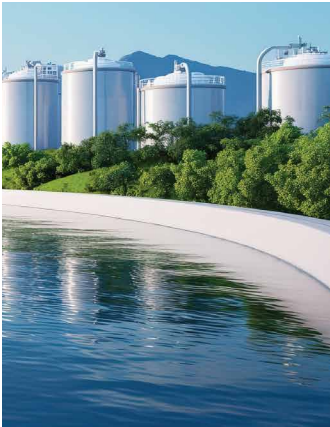
Maintains stable water levels for recreation and aquatic ecosystems.

Instant Pool Cover

It is known as **Monomolecular** films or **Monolayers**, can be spread across the water surface to create a thin layer that reduces evaporation. **Instant Pool Cover liquid compound** creates a molecular barrier that inhibits water molecules from escaping into the atmosphere.

While these liquid monolayers are very effective at reducing evaporation losses.

As the global demand for water continues to rise and the effects of climate change become more pronounced, it's a very neat technology that Minimizes Evaporation loss from Lakes & Lagoons. This is a unique approach to tackling evaporation.





DILUTED INTO A 5% SOLUTION



3 Reservoirs & Water Storage Tanks


Helps sustain **Municipal** and **Agricultural** water suppliers.

EVAPORATION MITIGATION TECHNOLOGY INSTANT POOL COVER APPLICABILITY

-  Suitable for very small & large storages.
-  Only Evaporation Mitigation Technology suitable for water storages larger than 5 hectares.

1 hectare = 2.471 acres,

It is equal to 10,000 square meters or approximately 2.471 acres.

-  Can be applied at low rates by hand or automatic systems.

4 Drought-Prone Areas

Essential for minimizing water loss in arid regions.

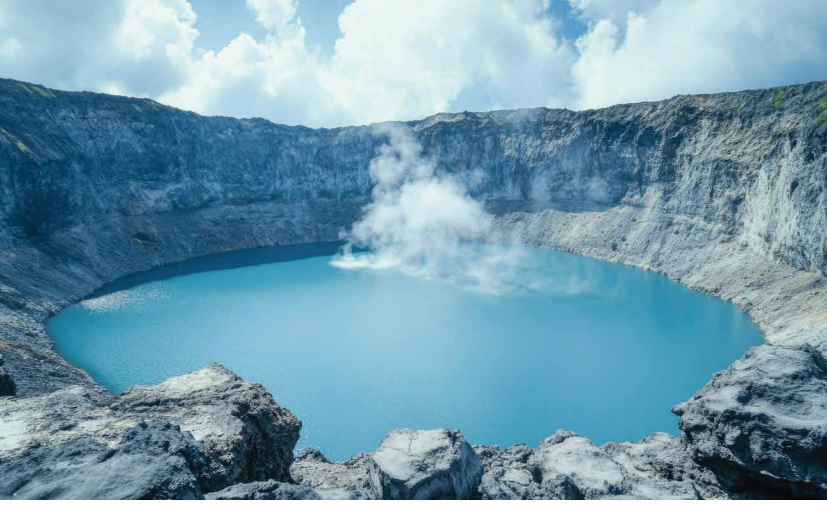
Climate change accounts for 80% of the increase in evaporative demand. During the drought periods, that figure increases to more than 90%, making it the single biggest driver of increasing drought severity and expansion of drought areas. High evaporative demand alone could cause drought.

This is not something you can solve by building bigger reservoir or other measures. When the **atmosphere warms, it will just suck up more water everywhere.** The only way to **prevent this is to stop evaporation** and use **Instant Pool Cover.**

**HEAT & EVAPORATION
NOT LACK OF PRECIPITATION
IS DRIVING THE
WORLD'S
DROUGHTS.**

5 Agricultural Water Storage Pools

Preserves irrigation water from evaporation and reduces refilling frequency



TECHNICAL DATASHEET

Parameter	Details
Product Name	Instant Pool Cover (Powder Form)
Appearance	Fine White Powder
Density	~1.2 g/cm ³
pH Value	Neutral (7 - 7.5)
Solubility	Easily dissolves into a 5% solution
Shelf Life	24 months (Store in a cool, dry place)
Dilution Ratio	1 kg powder per 20 liters of water (5% solution)
Effectiveness	50-80% evaporation reduction
Temperature Stability	Works effectively up to 50°C (122°F)
Safety	Non-toxic and safe for aquatic life
Environmental Impact	Biodegradable and eco-friendly
Storage Conditions	Store in a dry, sealed container away from moisture

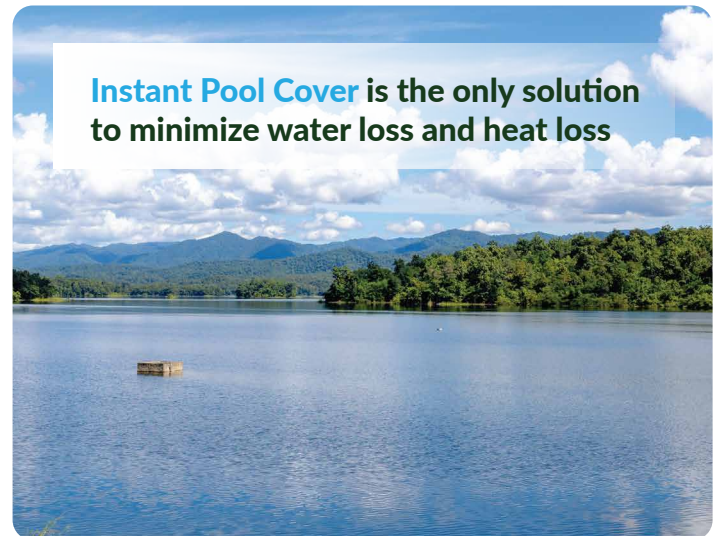
APPLICATION INSTRUCTIONS

- 01 Measure **1kg of Instant Pool Cover Powder** and mix with **20 liters of water** to create a 5% solution.
- 02 **Stir until fully dissolved**
- 03 Pour the solution directly on to the water surface
- 04 Allow it to **self-spread** across the entire water body.
- 05 **Reapply weekly or as needed** for continuous evaporation control.
- 06 Suitable for all types of water: **freshwater and wastewater**.

**INSTANT POOL COVER
IS THE ONLY SOLUTION TO MINIMIZE
WATER LOSS AND HEAT LOSS**

EVAPORATION

Evaporation is one of the leading causes of **Water Loss** in swimming pools, lakes & lagoons, reservoirs, especially in hot, drier climates where water storage is most prevalent. The rate of **Evaporation** from a storage tank is dependent on a number of variables, including temperature, humidity, and wind speed. EPA estimates that, depending on climate, an uncovered 500-square-foot area could lose between 45,425 liters (12,000 gallons) and 117,348 liters (31,000 gallons) of water per year due to **Evaporation**, with this number **being even higher for Heated pools**. Not only does this contribute to **water waste**, but it can also **cost homeowners money!**



Instant Pool Cover is the only solution to minimize water loss and heat loss

Reducing water loss from Evaporation is the best way to reduce overall water usage. **Instant Pool Cover** is the only solution to minimize water loss and heat loss. Instant Pool Covers are the most effective method of reducing water losses from **Evaporation**. When in use, **Instant Pool Cover** can reduce **Evaporation** by more than 70-80 percent and, in the case of heated pools, save between 40 and 60 percent of pool heating costs. Any pool can


Diseases resulting from breathing bacterial pathogens mist include:

- Legionella
- Tuberculosis
- Meningitis
- Gonorrhea
- Typhoid
- Chlamydia
- Food poisoning


- FILTERSORB
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- OXY TREATMENT
- SYSTEMS




Viruses In Mist And Evaporation Cause:




Influenza



Rotaviruses

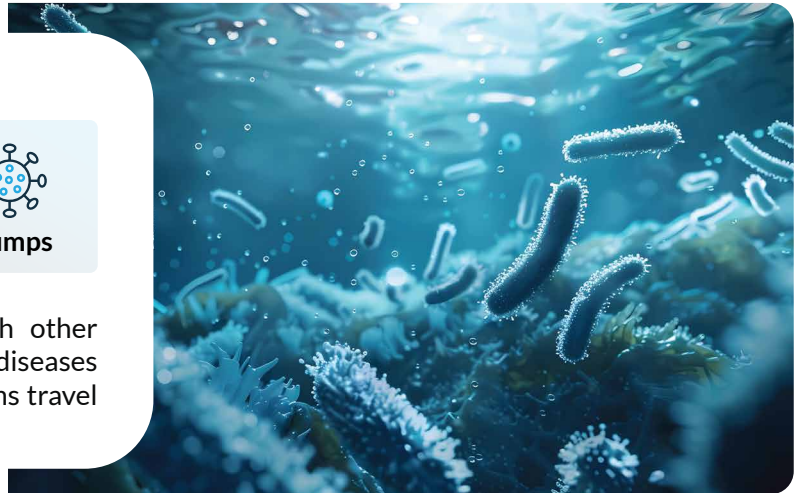


Measles



Mumps

EVAPORATION can contain microorganisms, which other people breathe in. **Airborne (Atmospheric Moisture)** diseases pass from one person to another when microorganisms travel through the air & **EVAPORATION**.



APPLY INSTANT POOL COVER WITHOUT AN EXTRA COST //

Legionella in **Storage Tanks** water is at particular risk because they contain warm water that is constantly **EVAPORATING**. This creates a mist that can contain **Legionella bacteria** and even **pathogens and viruses**. If people breathe in this mist, they can become infected with a **variety of different diseases**, with some being more severe than others.

EVAPORATING WARM WATER → **CAUSES LEGIONELLA DISEASE**

ENVIRONMENTAL & SUSTAINABILITY IMPACT //

Instant Pool Cover is an "eco-friendly, biodegradable" water conservation technology that helps **reduce freshwater loss due to evaporation**.

Unlike plastic pool covers or other physical barriers, this solution does not disrupt natural ecosystems and does not produce **plastic waste**. It aligns with global sustainability initiatives and supports **Municipal, Industrial, and Agricultural** water conservation efforts.



Standard Packaging

Packaging	Weight of product	Quantity/ pallet	Gross Wt./ pallet
Box (4 x 5 kg bags)	20 kg	48	1080 kg
Drum	60 kg	18	1163 kg

★ Other packaging can be considered on request

