



Operation & Maintenance Manual

World leading odourless, waterless, sewageless,
composting, sustainable sanitation solution



Congratulations on your purchase of ECOLOO!

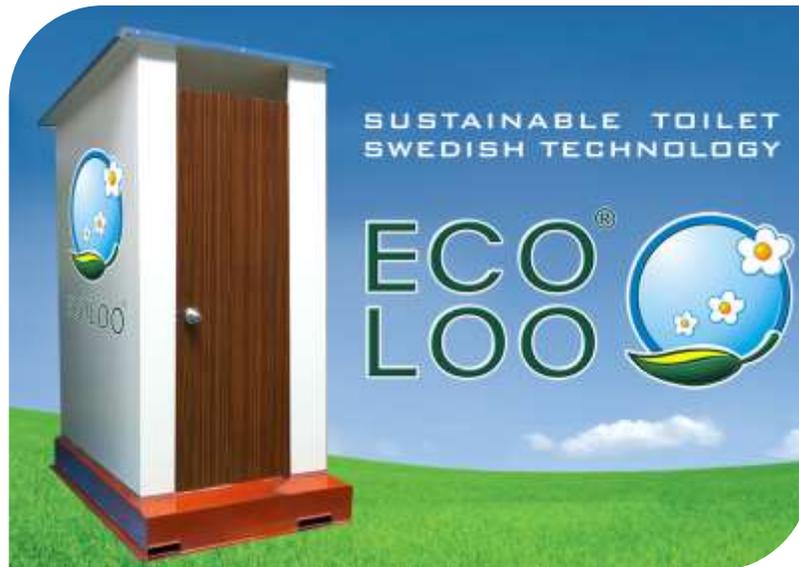
This ecological toilet system has been developed through more than 10 years of trial and error, research and development and practices. The system involves collecting toilet waste before it comes into contact with the environment, recycling it via composting, treating it on site with special bacteria, then using the resulting compost for agricultural purposes. This creates a natural, unbroken cycle that replaces 'waste disposal' with 'organic recycling' or value added, safe-to-use fertilizer.

ECOLOO can be used as a toilet in urban slum areas, highway rest areas, event areas, disaster relief areas, hospitals, schools, construction or mining sites or as a full time toilet in a residence. It can be located in any room (bedroom, office, closet) for both indoor and outdoor use.

Please read these brief instructions before using ECOLOO.

WHAT YOU GET WITH YOUR ECOLOO UNIT

1. FRP Base - up to 450 liters capacity for solid waste and 250 liter capacity for liquid fertilizer
2. Ventilation Pipe
3. Ventilation Fan
4. Toilet Seat & Lid
5. Dry Flush System
6. Optional Structures: Foldable, Knock-down, Built-In
7. Optional Accessories: Hand bidet, mechanical waste cover, coat holder, toilet paper holder, grab rail, bin, manual/battery driven pump for fertilizer extraction, hanger, solar panel and lighting, hand sanitizer items, heater and more!



Sustainable Toilet System: The Ultimate Solution

HOW TO USE ECO LOO SYSTEM

1. **USE** like any other toilet to discharge pee or poo. Toilet paper and water for washing can be disposed inside the base without any problems.
2. Make a habit to **FLUSH** by moving the lever under the toilet seat on the first layer from left to right or vice versa to spread the waste so that it gives more space for the bacteria to grow its colony.
3. After 15-20 poo visits, **MIX** a sachet of ECOBAC Plus with 1 liter of warm water (not hot), shake the bottle and leave it for 30 minutes. After 30 minutes, shake the bottle again before you pour the liquid form of bacteria into the toilet bowl.
4. **POUR** the liquid into the toilet bowl. **SPREAD** over the inner side of the toilet bowl as you pour the liquid. This is also the hygienic way to **CLEAN** the inner bowl.
5. **REPEAT** the process after 2 weeks of usages.
6. After 1 month or whenever you need to, **REMOVE** the fertilizer from the bottom layer and repeat the process.
7. Starting from the following month or second, depending on the visits, **ADD** bacteria once in 1 or 2 months.
8. Repeat the process every month or two months and **EMPTY** the liquid fertilizer from the bottom chamber once it is full for liquid fertilizer collection, perfect for organic agriculture.

MAINTENANCE AND REHABILITATION OF THE ECOLOO SYSTEM

- ✓ The toilet seat can be cleaned when necessary using environmental friendly, non-chemical cleansing agent.
- ✓ If chemical agent is used to clean the seat, make sure it does not spill inside the toilet chamber.
- ✓ In case chemical agent is accidentally dropped inside the toilet chamber, immediately pour a few liters of water inside the toilet chamber where the most chemical agent has dropped.
- ✓ Continue to use the toilet for a few days until feces cover the spot, and then add 1 sachet of bacteria accordingly.
- ✓ Start the process all over again by adding the bacteria once in a month or two.
- ✓ In case non-treatable objects are dropped inside the toilet, stop using the toilet and let the bacteria continue to treat the waste for 2 weeks.
- ✓ If necessary, remove the toilet seat and pick the object up using scooping utensil.
- ✓ Please use gloves in all of the above process to ensure that high level of hygiene and health are measured.
- ✓ It is recommended that toilet bowl be always covered with the lid for health and safety measures. However, there will be no side effect should the bowl not be covered with the lid.
- ✓ The toilet should not attract flies, as it is bacteria treated and odor free.
- ✓ Make sure that all treated solid waste (ashes) is vacuumed out using proper industrial vacuum when it is full after some years or when removing foreign objects. Prior to that, remove the seat by releasing the screws.

“There are 2.5 billion people across the world do not have access to proper toilets. ECOLOO system is developed to improve water, sanitation and hygiene (WASH) and other related issues to achieve environmental sustainability.”

**- Imad Agi, ECOLOO Group
Chairman & CEO**

releasing the screws.

- ✓ Make sure that you remove only the ashes on top of the starter bed or around it.
- ✓ All ashes can be used on your garden as organic fertilizer full of nutrition.
- ✓ We recommend that liquid fertilizer that is extracted from the bottom chamber be left outside under the sun for further evaporation to ensure that the liquid fertilizer is 100% sterilized for the following purposes:
 - selling fertilizer back to distributors
 - trading fertilizer with bacteria
 - using fertilizer for your own organic agriculture
- ✓ Prior to using liquid fertilizer on agriculture, the liquid has to be mixed with 10 times of water as it consists of very salty self disinfection materials called nitrite and nitrate: organic fertilizer full of nutrition.
- ✓ For additional service by ECOLOO, please call our distributors closest to you. All extra services are chargeable at minimal fees.

4 EASY STEPS TO USE ECOLOO



Step 1: USE IT

Lift the toilet lid up, sit on toilet seat, put your legs on the steps on the sides of the staircase, do your business, dry flush the system, wash/wipe and go! Always cover the toilet bowl with the toilet lid after



Step 2: ADD IT

After 15-20 poo visits, mix ECOBAC Plus with water, leave for 30 minutes, then pour the mixture into the toilet bowl, add once in 1 or 2 months. Add 1 liter of water weekly if possible. Make sure to clean your toilet with eco-friendly product and stay healthy and hygienic!



Step 3: TREAT IT

Our bacteria will treat all the solid and liquid human waste, toilet papers or water to wash inside the chamber and transform them into odorless safe-to-use organic fertilizer, perfect for agriculture!



Step 4: EXTRACT IT

Once treated, extract the fertilizer from the bottom chamber using the fertilizer pump. Continue to use and add bacteria every month or two. To use the liquid fertilizer, add a bottle of fertilizer with 10 times of water to dilute it.

Thank you for choosing ECOLOO!

ECOLOO is the world leading sustainable toilet system that is an odor free, water free, sewage free, maintenance free, carbon emission free and produces nutritious organic fertilizer perfect for agriculture

TESTIMONIALS

"We have been working hard to be off sewer. We had problems with flushing toilet, smell and getting the waste out. It was a disaster of the worst sort. The simple ECOLOO has made our lives so much easier. No flushing. No water wasted. No maintenance. On top of that, we get free fertilizer for our plants and we are very happy and satisfied."

- *Christer Sjö, Managing Director
Ekenas Hotel in National Park, Koster Islands, Sweden*

"I have purchased ECOLOO and used them for several years. After getting used to it and using flushing systems in other places, I have found ECOLOO to be the simplest and most effective."

- *William Zaki, Resident of Private Home,
Strömstad, Sweden*

"Strömstads municipality had installed two toilets purchased from ECOLOO AB on one of the municipality's lakes and beaches in 2008. The toilets are used quite frequently during the summer months when many local residents and tourists come with family and stay at the lake.

The toilets have worked well, no maintenance work has been needed since they were installed. A ventilation pipe with wind fan was mounted during the installation to remove foul smells and it fits the system very well as we do not suffer from bad odour and our lake and drinking water are protected ecologically."

- *Eiton Ohlsson
Strömstad Municipality, Sweden*