



**CLEAN
WATER**

FLOATING WETLANDS

FLOATING WETLANDS

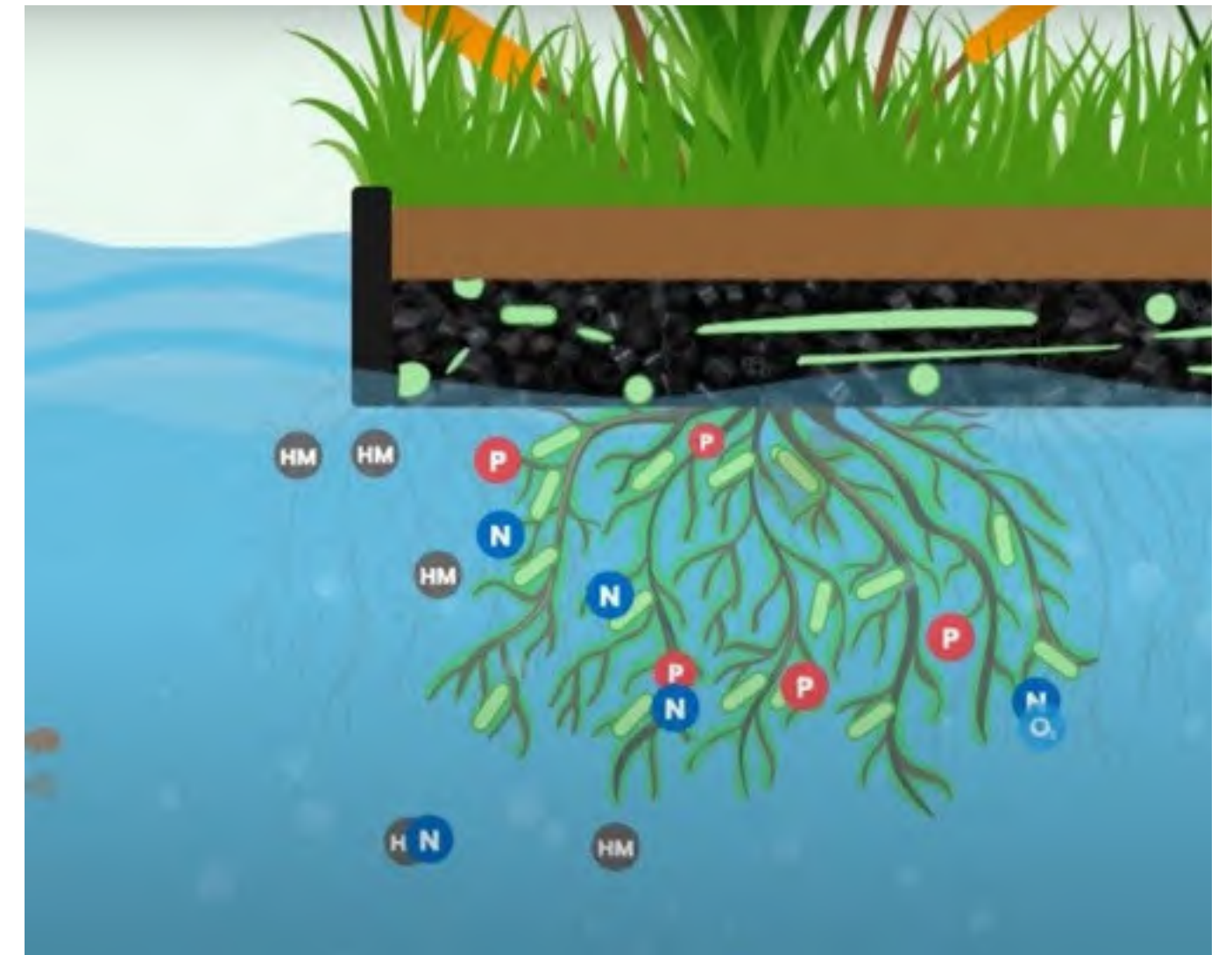
Introduction

Clean-Water's Floating Wetlands represent an innovative, sustainable solution designed to improve water quality and restore ecological balance in waterbodies. These floating platforms mimic the natural functions of wetlands by housing plants, bio media, and beneficial microbes, working together to absorb pollutants, control nutrient levels, and support biodiversity. Our Floating Wetlands with Bio Media are an ideal choice for restoring lakes, ponds, and rivers in both urban and rural areas, creating healthier water ecosystems while enhancing the aesthetic and ecological value of waterbodies.

Key Features of Clean-Water's Floating Wetlands :

- 1. Specialized Aquatic Plants:** Our Floating Wetlands are planted with species specifically chosen for their high absorption capacity and resilience. These plants naturally absorb pollutants and provide habitat for aquatic life, making them highly effective in water purification.
- 2. Bio Media for Enhanced Microbial Activity:** The bio media used in Clean-Water's Floating Wetlands has been specially designed to provide an optimal surface area for bacterial colonies to flourish. This increased microbial activity accelerates the breakdown of pollutants and supports the waterbody's natural processes.
- 3. Multi-Layered Filtration System:** Floating Wetlands create a multi-layered filtration system:
 - Plant Layer: Absorbs nutrients and pollutants.
 - Bio Media Layer: Supports bacteria and beneficial microbes that target specific contaminants.
 - Root Zone: Extends into the water, creating a network that entraps particles and provides habitat for smaller aquatic organisms.
- 4. Self-Sustaining, Low Maintenance and Robust:** Once established, the Floating Wetlands are largely self-sustaining, requiring minimal maintenance. The plants continue to grow and absorb nutrients, while the microbial colonies on the bio media thrive as they consume organic matter, creating a balanced ecosystem over time. High and robust build quality ensure our floating wetlands are weather resistant and have a long operational life.
- 5. Aesthetic and Environmental Benefits:** In addition to cleaning the water, Floating Wetlands with Bio Media enhance the visual appeal of waterbodies, making them more attractive to nearby communities. They also support biodiversity by providing shelter and food for fish, insects, and other aquatic life, creating a balanced mini-ecosystem on and around the platform.

FLOATING WETLANDS



Graphical Representation of how floating wetlands create a filtration system that absorb harmful nutrients and heavy metals from the waterbodies, and how biomedica and roots provide surface area for growth of beneficial bacterial cultures

FLOATING WETLANDS (FI #01)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** 1m X 1m X 0.25m
- **Island Height:** 12 inches
- **Max Load:** 80 Kgs
- **Operational Design Load:** 40 kgs
- **Finish:** Rexine
- **Frame:** Aluminium
- **Ideal For:** Lakes & Ponds
- **Expected Life** > 3 years

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment



FLOATING WETLANDS (FI #02)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** 1.2m X 1.2m X 0.25m
- **Island Height:** 12 inches
- **Max Load:** 180 Kgs
- **Operational Design Load:** 90 kgs
- **Finish:** Rexine
- **Frame:** Wooden
- **Ideal For:** Lakes & Ponds
- **Expected Life** > 3 years



Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment

FLOATING WETLANDS (FI #03)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** 2m x 2m
- **Island Height:** 12 inches
- **Max Load:** 400 Kgs
- **Operational Design Load:** 200 kgs
- **Finish:** Rexine
- **Frame:** Wooden
- **Ideal For:** Lakes & Ponds
- **Expected Life** > 3 years

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment



FLOATING WETLANDS (FI #04)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** 2m x 2m X0.2m
- **Island Height:** 12 inches
- **Max Load:** 400 Kgs
- **Operational Design Load:** 200 kgs
- **Finish:** Rexine
- **Frame:** Wooden
- **Ideal For:** Lakes & Ponds
- **Expected Life** > 3 years

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment



FLOATING WETLANDS (FI #05)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** Diameter= 1m, h=0.3m
- **Island Height:** 12 inches
- **Max Load:** 100 kgs
- **Operational Design Load:** 50 kgs
- **Finish:** Rexine
- **Frame:** EPE Sheets
- **Ideal For:** Lakes & Ponds
- **Expected Life** > 3 years

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment



FLOATING WETLANDS (FI #06)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** 1m x 2m x 0.3m
- **Island Height:** 12 inches
- **Max Load:** 250 Kgs
- **Operational Design Load:** 125 kgs
- **Finish:** Rexine
- **Frame:** Wooden
- **Ideal For:** Lakes & Ponds
- **Expected Life** > 3 years

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment



FLOATING WETLANDS (FI #07)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** 1m x 2m x 0.2m
- **Island Height:** 12 inches
- **Max Load:** 200 Kgs
- **Operational Design Load:** 100 kgs
- **Finish:** Rexine
- **Frame:** Wooden
- **Ideal For:** Lakes & Ponds
- **Expected Life** > 3 years



Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment

FLOATING WETLANDS (FI #08)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** Diameter =1m, h=0.3m
- **Island Height:** 12 inches
- **Max Load:** 120 Kgs
- **Operational Design Load:** 60 kgs
- **Finish:** Epoxy Paint
- **Frame:** Metal
- **Ideal For:** Lakes , Ponds , Rivers & Drains
- **Expected Life** > 5 years

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment



FLOATING WETLANDS (FI #09)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** 0.5m x 1m x 0.3m
- **Island Height:** 12 inches
- **Max Load:** 80 Kgs
- **Operational Design Load:** 40 kgs
- **Finish:** Rexine
- **Frame:** Wooden
- **Ideal For:** Aquarium
- **Expected Life** > 3 years

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment



FLOATING WETLANDS (FI #10)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** 2m x 2m x 0.4m
- **Island Height:** 12 inches
- **Max Load:** 800 Kgs
- **Operational Design Load:** 400 kgs
- **Finish:** Epoxy Paint
- **Frame:** Metal
- **Ideal For:** Lakes , Ponds , Rivers & Drains
- **Expected Life** > 5 years

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment



FLOATING WETLANDS (FI #11)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** 1.2m x 1.2m x 0.3m
- **Island Height:** 12 inches
- **Max Load:** 230 Kgs
- **Operational Design Load:** 115 kgs
- **Finish:** Rexine
- **Frame:** Wooden
- **Ideal For:** Lakes , Ponds , Rivers & Ponds
- **Expected Life** > 10 years

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment



FLOATING WETLANDS (FI #12)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** 2m x 2m x 0.4m
- **Island Height:** 12 inches
- **Max Load:** 800 Kgs
- **Operational Design Load:** 400 kgs
- **Finish:** FRP
- **Frame:** FRP
- **Ideal For:** Lakes , Rivers , Drains & Ponds
- **Expected Life** > 15 years

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment



FLOATING WETLANDS (FI #13)

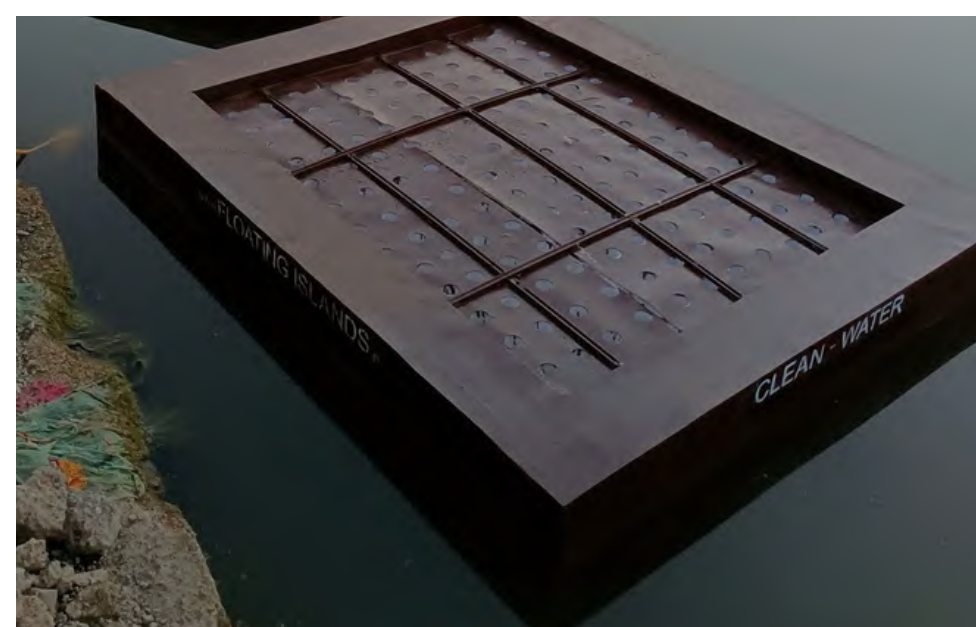
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TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** 3m x 2.5m x 0.4m
- **Island Height:** 12 inches
- **Max Load:** 1200 Kgs
- **Operational Design Load:** 600 kgs
- **Finish:** FRP
- **Frame:** FRP
- **Ideal For:** Lakes , Rivers , Drains & Ponds
- **Expected Life** > 10 years

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment



FLOATING WETLANDS (FI #14)

Floating Islands are innovative structures designed to enhance water quality and provide ecological habitats. They mimic wetland effects, promoting microbial activity that helps settle sediments and absorb pollutants like phosphorus, nitrogen, and heavy metals. Ideal for lakes, ponds, and rivers, they also contribute to biodiversity and beautification of water bodies.

TECHNICAL SPECIFICATIONS

- **Build:** Hybrid - 7 Layered
- **Anchoring & Fixing:** Anchored to Bottom or from Side
- **Sizes:** Custom
- **Island Height:** 12 inches
- **Max Load:** Custom
- **Operational Design Load:** Custom
- **Finish:** Custom
- **Frame:** Custom
- **Ideal For:** Custom
- **Expected Life** Custom

Benefits

- Artificial bio-media provides maximum pollutant removal
- Natural wastewater treatment without use of chemicals
- Can be camouflaged in a natural environment

