

CORK FLOATING ISLAND® CATALOG

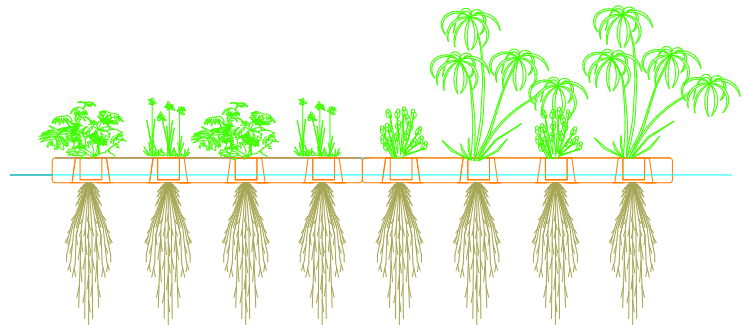


Developed by Bluemater in collaboration with Amorim Cork Composites, CORK FLOATING ISLAND® is specially designed for bioremediation in wetlands, rivers and dams but also used as phyto-based pond wastewater treatment and hydroponics. The support structure is made of cork, which makes it a sustainable and durable solution in addition to create an aesthetically pleasing aspect.

The CORK FLOATING ISLAND® is an exclusive product developed by Bluemater, in partnership with the cork innovation leader - Amorim Cork Composites. This floating islands are modular cork platforms designed specifically for the recovery of degraded ecosystems, in the treatment of wastewater, aquatic gardening, among other possible uses.

Floating islands are the most ecological solution to ensure a healthy balance of surface water, allowing the growth of plants on the surface of the water and thus restore riparian and palustrine ecosystems and biodiversity itself.

They can also be applied in pond wastewater treatment, replacing the plants that are traditionally planted in the bottom of the Phyto-WWTP tanks, avoiding the known problems of collapse of these systems, keeping them healthy and efficient.



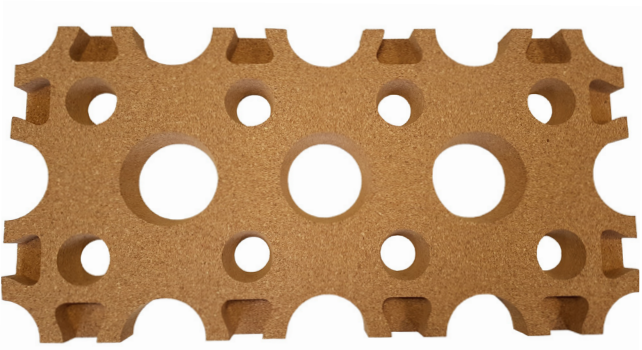
ADVANTAGES

- Sustainable cork platform
- Low density and good buoyancy
- Low maintenance costs
- Highly durable platforms
- Sustainable water treatment
- Modular design with easy connection between modules

APPLICATIONS

- Biological treatment of wastewater
- Restoration of habitats in degraded or polluted areas
- Recovery of riverside banks of rivers and canals
- Creation of marsh habitats in lakes and reservoirs
- Rehabilitation and maintenance of protected aquatic ecosystems
- Creation of marsh habitats in urban gardens, lakes and biological pools

CORK FLOATING ISLAND & BANK



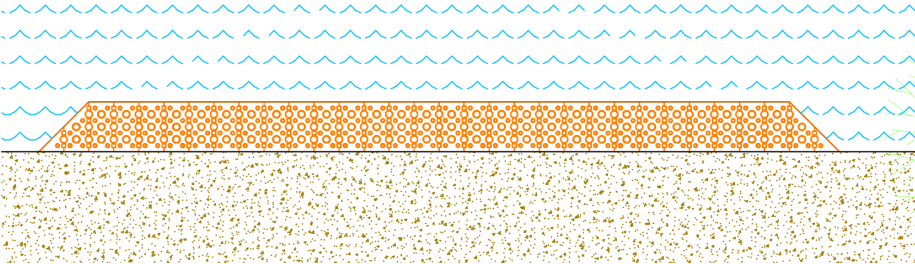
CORK FLOATING ISLAND STANDARD



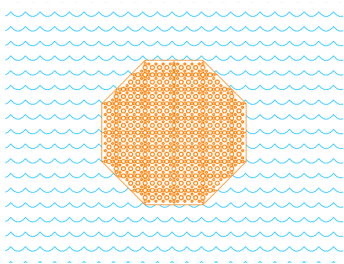
ANCHOR
STOPPER



CONNECTOR



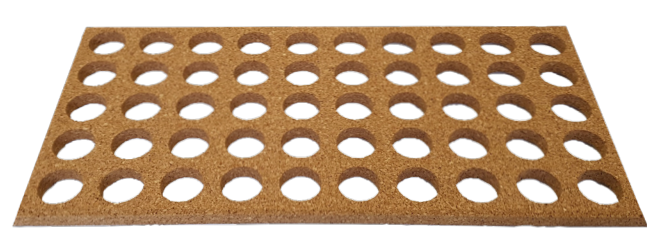
Example of application.



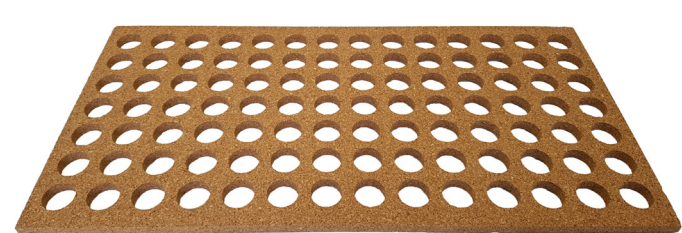
HYDROPONICS



N° of holes	Thickness mm
18	30 mm
	40 mm

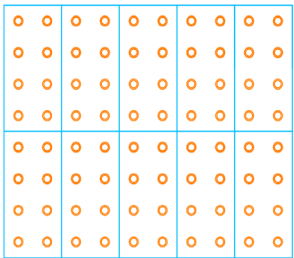


N° of holes	Thickness mm
50	30 mm
	40 mm

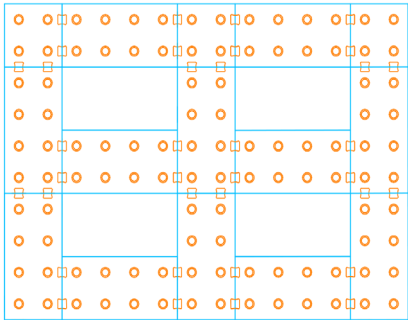


N° of holes	Thickness mm
98	30 mm
	40 mm

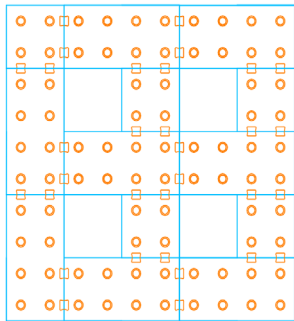
WASTEWATER TREATMENT



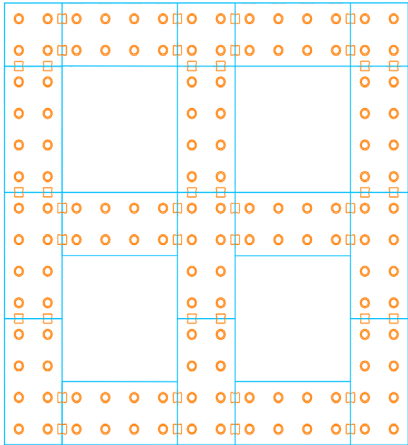
Straight



Rectangular spacing

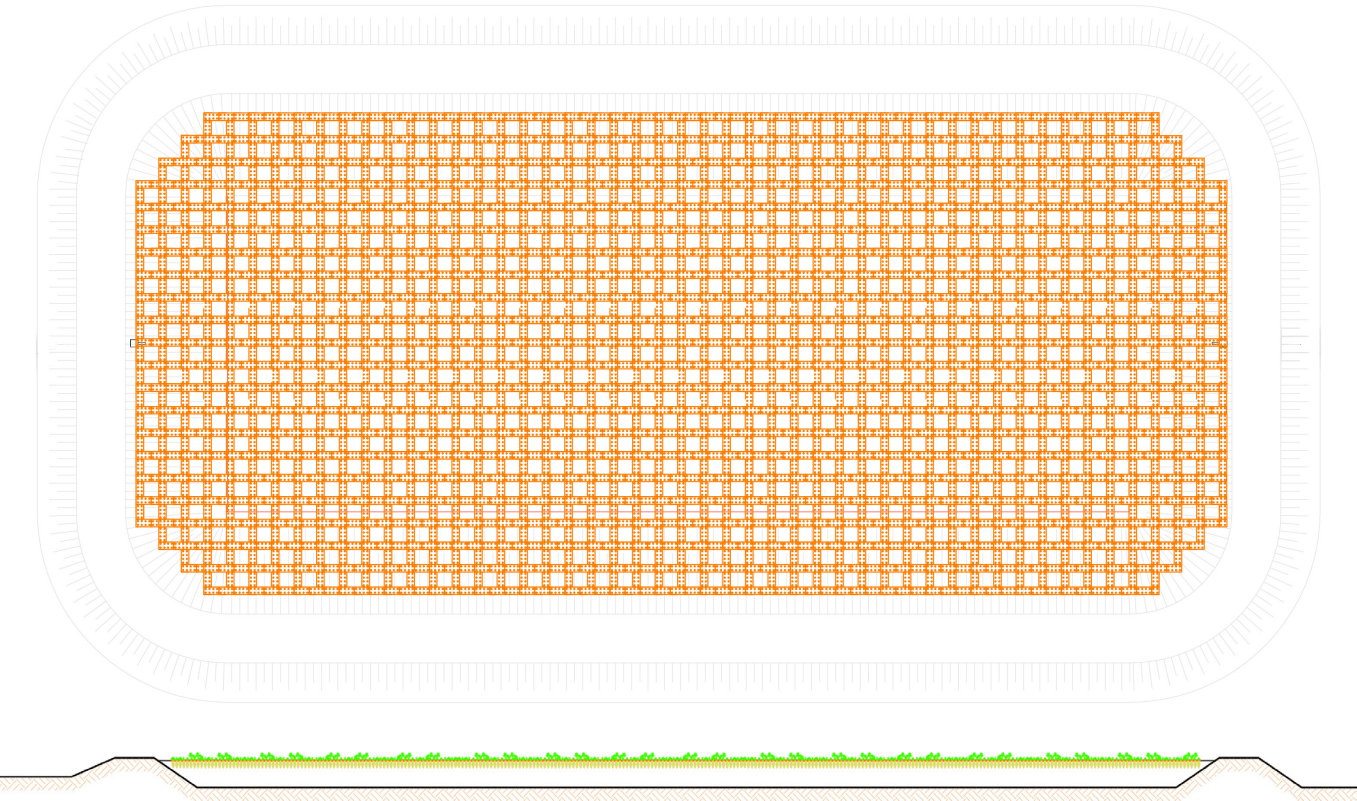


Small square spacing



Large square spacing

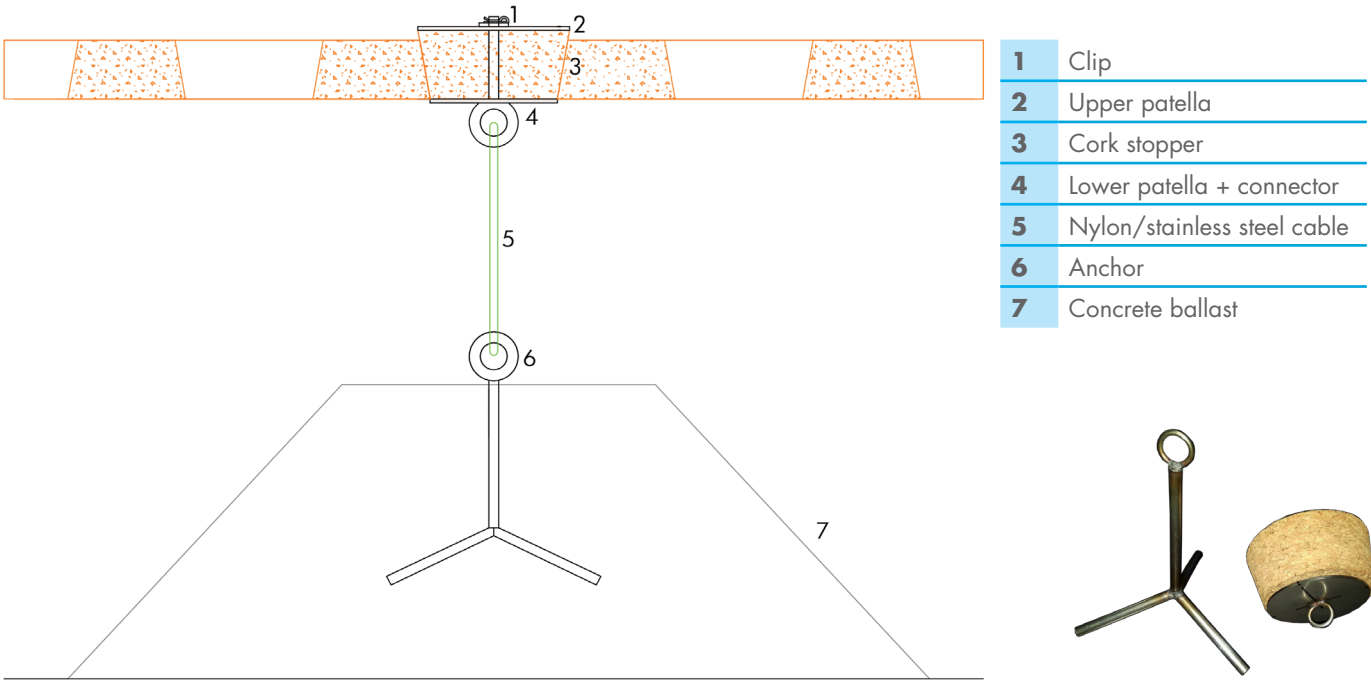
Thickness mm
50 mm
60 mm



Floating cork WWTP.

NOTE: Other settings under request.

ANCHOR SYSTEM



TECHNICAL FEATURES

- Material: crushed and agglomerated cork, natural color
- Size of the cork grain 4-14 mm
- Dimensions: 100X50X3 cm to 100x50x6 cm, other sizes available
- Durability: +/- 10 years

Test method	Properties	Unit value
ISO 7322	Specific weight	Kg / m³ 300 - 380
Inescop Method	Compression in 25%	N ≥ 3000
ISO 2077	Bending resistance	daN / mm² ≥ 15
ISO 7322	Boiling water	No breakdown

GENERAL CATALOG

CORK FLOATING ISLAND

	CFI STANDARD.60
	CFI EDGE R.60
	CFI EDGE L.60
	CFI EDGE CW.60
	CFI EDGE CN.60
	CFI EDGE DIAGR.60
	CFI EDGE DIAGL.60
	CFI EDGE TRICAT.60
	CFI EDGE DIAGL.60
	CFI EDGE DIAGR.60
	CFI EDGE TRIHIPO.60
	CFI SQUARE.60
	CFI SQUARE T.60
	CFI SQUARE TL.60
	CFI SQUARE 2T.60
	CFI SQUARE TLR.60
	CFI SAMPLE.60

CORK FLOATING BANK

	CFB TRIL.60
	CFB TRIR.60
	CFB DIAGR.60
	CFB DIAGL.60
	CFB CENTER.60

WATER GARDENING

Rectangle

	POND RECTANGLE.40
	POND RECTANGLE half.40

Square

	POND SQUARE center.40
	POND SQUARE.40
	POND SQUARE half.40
	POND SQUARE DIAG.40

Star

	POND STAR1.40
	POND STAR2.40

Circle

	POND CIRCLE HALF.40
--	---------------------

HYDROPONICS

	HYDRO 98.40/30
	HYDRO 50.40/30
	HYDRO 18.40/30

WASTEWATER TREATMENT

	WWTP STRAIGHT.60/50
	WWTP STANDARD.60/50
	WWTP RECT 2TLR.60/50
	WWTP RECT TL1.60/50
	WWTP RECT TL2.60/50
	WWTP RECT TR1.60/50
	WWTP RECT TR2.60/50
	WWTP RECT TLR1.60/50
	WWTP RECT TLR2.60/50
	WWTP RECT 2TL1.60/50
	WWTP RECT 2TL2.60/50
	WWTP RECT 2TR.60/50
	WWTP RECT LR.60/50
	WWTP RECT L.60/50
	WWTP RECT 2T.60/50
	WWTP RECT T.60/50
	WWTP SQUARE STRAIGHT.60/50
	WWTP SQUARE STANDARD.60/50
	WWTP SQUARE TLR.60/50
	WWTP SQUARE 2T.60/50
	WWTP SQUARE TL.60/50
	WWTP SQUARE T.60/50

ANCHORAGE & CONNECTION

	ANCHOR SYSTEM
	ANCHOR STOPPER.70/60/50/40
	ANCHOR UPPER PATELLA
	ANCHOR LOWER PATELLA
	ANCHOR BALLAST
	ANCHOR CLIP
	CONNECTOR.40/30
	MULTIPOINT ANCHOR SYSTEM
	upper view
	side view

NOTE: Other settings under request.

REFERENCES

Ref BM	Products
CORK FLOATING ISLAND®	
BMCFI01	CFI STANDARD.60
BMCFI02	CFI EDGE R.60
BMCFI03	CFI EDGE L.60
BMCFI04	CFI EDGE CW.60
BMCFI05	CFI EDGE CN.60
BMCFI06	CFI EDGE DIAGR.60
BMCFI07	CFI EDGE DIAGL.60
BMCFI08	CFI EDGE TRICAT.60
BMCFI09	CFI EDGE DIAGL.60
BMCFI10	CFI EDGE DIAGR.60
BMCFI11	CFI EDGE TRIHIPO.60
BMCFI12	CFI SQUARE.60
BMCFI13	CFI SQUARE T.60
BMCFI14	CFI SQUARE TL.60
BMCFI15	CFI SQUARE 2T.60
BMCFI16	CFI SQUARE TLR.60
BMCFI17	CFI SAMPLE.60
CORK FLOATING BANK	
BMCFI30	CFB TRIL.60
BMCFI31	CFB TRIR.60
BMCFI32	CFB DIAGR.60
BMCFI33	CFB DIAGL.60
BMCFI34	CFB CENTER.60
WATER GARDENING	
BMCFI41	POND RECTANGLE.40
BMCFI42	POND RECTANGLE half.40
BMCFI43	POND SQUARE center.40
BMCFI44	POND SQUARE.40
BMCFI45	POND SQUARE half.40
BMCFI46	POND SQUARE DIAG.40
BMCFI47	POND STAR1.40
BMCFI48	POND STAR2.40
BMCFI49	POND CIRCLE HALF.40
HYDROPONICS	
BMCFI50	HYDRO 18.30
BMCFI51	HYDRO 18.40
BMCFI52	HYDRO 50.30
BMCFI53	HYDRO 50.40
BMCFI54	HYDRO 98.30
BMCFI55	HYDRO 98.40
WASTEWATER TREATMENT	
BMCFI100	WWTP STRAIGHT.60
BMCFI101	WWTP STRAIGHT.50
BMCFI102	WWTP STANDARD.60
BMCFI103	WWTP STANDARD.50
BMCFI104	WWTP RECT 2TLR.60

Ref BM	Products
BMCFI105	WWTP RECT 2TLR.50
BMCFI106	WWTP RECT TL1.60
BMCFI107	WWTP RECT TL1.50
BMCFI108	WWTP RECT TL2.60
BMCFI109	WWTP RECT TL2.50
BMCFI110	WWTP RECT TR1.60
BMCFI111	WWTP RECT TR1.50
BMCFI112	WWTP RECT TR2.60
BMCFI113	WWTP RECT TR2.50
BMCFI114	WWTP RECT TLR1.60
BMCFI115	WWTP RECT TLR1.50
BMCFI116	WWTP RECT TLR2.60
BMCFI117	WWTP RECT TLR2.50
BMCFI118	WWTP RECT 2TL1.60
BMCFI119	WWTP RECT 2TL1.50
BMCFI120	WWTP RECT 2TL2.60
BMCFI121	WWTP RECT 2TL2.50
BMCFI122	WWTP RECT 2TR.60
BMCFI123	WWTP RECT 2TR.50
BMCFI124	WWTP RECT LR.60
BMCFI125	WWTP RECT LR.50
BMCFI126	WWTP RECT L.60
BMCFI127	WWTP RECT L.50
BMCFI128	WWTP RECT 2T.60
BMCFI129	WWTP RECT 2T.50
BMCFI130	WWTP RECT T.60
BMCFI131	WWTP RECT T.50
BMCFI132	WWTP SQUARE STRAIGHT.60
BMCFI133	WWTP SQUARE STRAIGHT.50
BMCFI134	WWTP SQUARE STANDARD.60
BMCFI135	WWTP SQUARE STANDARD.50
BMCFI136	WWTP SQUARE TLR.60
BMCFI137	WWTP SQUARE TLR.50
BMCFI138	WWTP SQUARE 2T.60
BMCFI139	WWTP SQUARE 2T.50
BMCFI140	WWTP SQUARE TL.60
BMCFI141	WWTP SQUARE TL.50
BMCFI142	WWTP SQUARE T.60
BMCFI143	WWTP SQUARE T.50
ANCHORAGE & CONNECTION	
BMCFI80	ANCHOR SYSTEM
BMCFI70	ANCHOR STOPPER.70
BMCFI71	ANCHOR STOPPER.60
BMCFI72	ANCHOR STOPPER.50
BMCFI73	ANCHOR STOPPER.40
BMCFI75	CONNECTOR.40
BMCFI76	CONNECTOR.30

Ref BM	Products
BMCFI81	ANCHOR CLIP
BMCFI82	ANCHOR UPPER PATELLA
BMCFI83	ANCHOR LOWER PATELLA
BMCFI84	NYLON / STAINLESS STEEL CABLE (S.S. AISI 316 L)
BMCFI85	ANCHOR (S.S. AISI 316 L)
BMCFI86	CONCRETE BALLAST
BMCFI87	MULTIPOINT ANCHOR SYSTEM



PORTFOLIO



Cork Floating Island at Leixões Harbor Terminal, Porto, Portugal.



Sarcocornia and Salicornia at a Floating Island, Porto, Portugal.



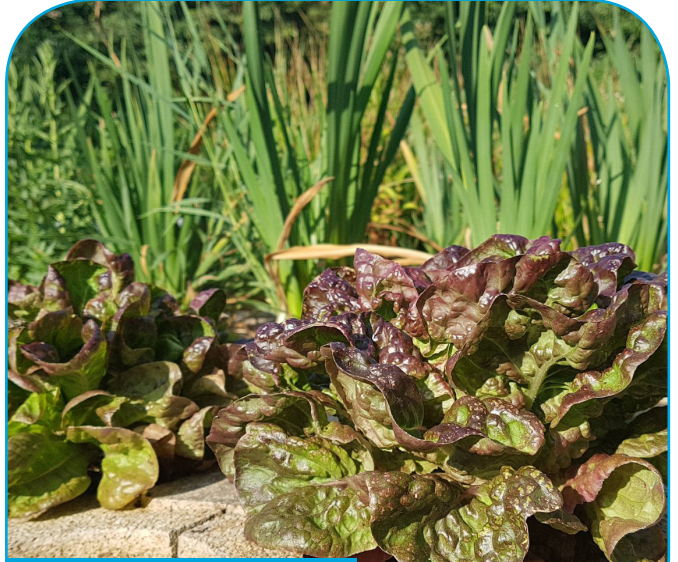
Cork Floating Island at Buçaquinho Environmental Park, Ovar, Portugal.



Cork Floating Bank at Terragido Dam, Vila Real, Portugal.



Cork Floating Island at Régua Dam, Régua, Portugal.



Cork Floating WWTP at Gove, Baião, Portugal.



Pecteilis radiata orchid in a Cork Floating Island, Japan.



Cork Floating Island at Porto City Park, Porto, Portugal.

PARTNER:



AMORIM
CORK COMPOSITES

www.bluemater.com



PORTUGAL

BLUEMATER SA
Rua Aníbal Cunha nº 263
4050-049 Porto, Portugal
T: +351 220 990 516
info@bluemater.com

FRANCE

MIBI
672 Rue du Mas de Verchant
34 000 MONTPELLIER
T: + 33 6 52 83 52 64
alexmartincocher@bluemater.com

ANGOLA

Rua Principal ou Rua Longa, Casa 54
Jardins do Éden - Bairro Camama
Luanda – Angola
T: +244 938 559 899
fgomes@bluemater.com

INDIA

Pure N Safe Water Technologies
B-11 Shankar Garden – New Delhi
110018 New Delhi, India
T: +91-11-64553050
umesh.agrawal67@gmail.com