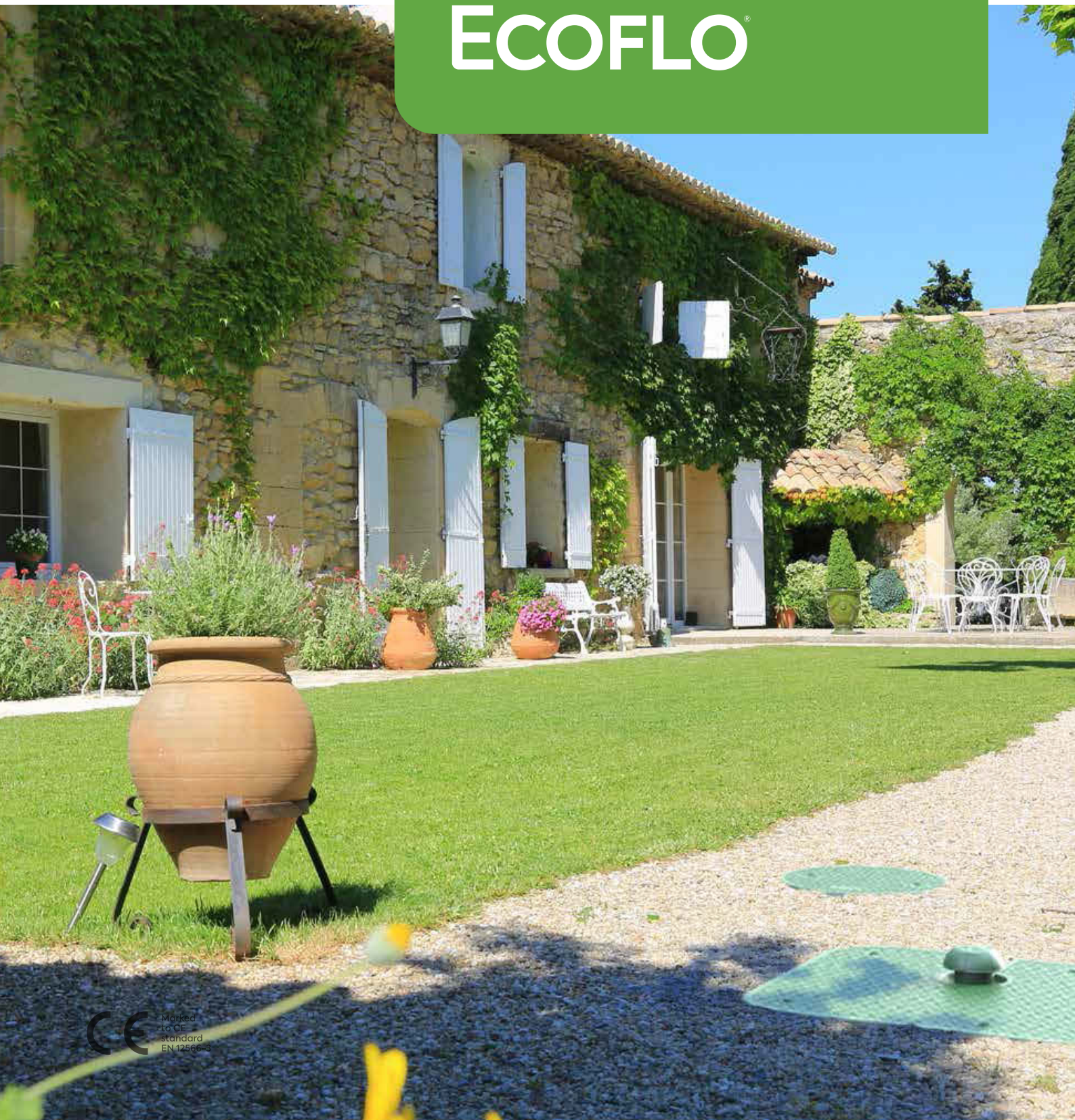


The sustainable
wastewater
treatment system
that protects our
environment

ECOFLO®



People and Technologies making a difference

Premier Tech brings to life products that help feed, protect, and improve our world.

- **founded in 1923**
- **family business**
- **4,700 team members worldwide**
- **47 factories in 28 countries**

Through its Water and Environment business group, Premier Tech designs and manufactures sustainable local solutions for wastewater treatment:

residential



commercial



Together, we make green technologies accessible and continuously innovate to create solutions that last.

Making a difference for water and the environment

At Premier Tech, People and Technologies connect in lasting, transformative ways, giving life to products and services that help feed, protect, and improve our world.

Our team of experts constantly innovates, redefining what is possible through effective, efficient, and sustainable solutions. Driven by a shared passion, we are committed to protecting our resources for the future.

Why Ecoflo?

The Ecoflo sewage treatment plant is the most ecological solution on the market for residential and commercial projects where mains drainage is unavailable.



For over 25 years Premier Tech Water and Environment has successfully installed thousands of Ecoflo systems to further improve the effluent quality for both residential and commercial projects that require off-mains wastewater treatment.

With a high absorption capacity, our coconut-husk fragments are produced by cutting up the husk that surrounds the fruit of the coconut. This mechanical process ensures complete control over

the size of each fragment and overall porosity, guaranteeing a uniform filtering medium that delivers a consistently high wastewater treatment performance over time.

Ecoflo conforms to EN12566-3 for secondary treatment and EN 12566-6 for use after existing septic tanks that are in compliance with S.R.66:2015. Ecoflo also complies with EN12566-7 for tertiary treatment and is in compliance with S.R.66:2015.

How does Ecoflo work?

By removing suspended solids and other pollutants in wastewater effluent to an even higher standard, Ecoflo can further prevent groundwater and water pollution in Ireland. This in turn can reduce tainted drinking water, reduce water scarcity and shortages, limit the environmental impact on rivers, lakes and their habitants and ultimately protect our planet.

1. Wastewater inflow

Wastewater effluent flows from your sewage treatment plant or septic tank into Ecoflo for additional treatment

2. Non-mechanical tipping bucket

Inside Ecoflo, wastewater is scattered across perforated distribution plates before falling across the coconut filter.



3. Coco Filter

This filter is the heart of Ecoflo. It creates a physical treatment barrier that cleans the effluent to an even higher standard.

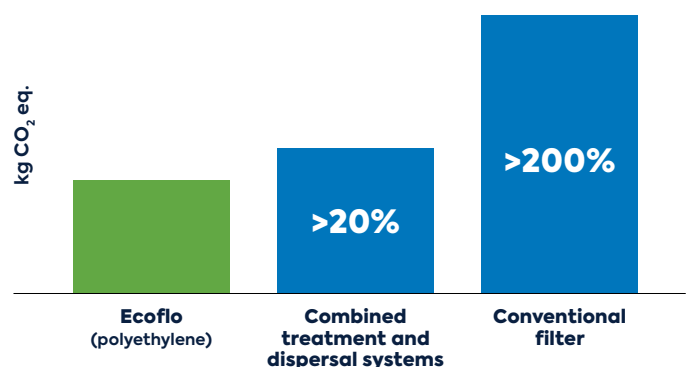
4. Final discharge

After percolating through the all-natural filter, water is directly discharged to either a correctly sized stone bed, or to an off-set stone bed.

LOWEST CARBON FOOTPRINT

From production and shipping to installation, maintenance, and usage, Ecoflo has the lowest carbon footprint of any product on the market.

Total after 50-year life cycle



Ecoflo advantages for our customers

PEACE-OF-MIND PERFORMANCE

- 24/7 autonomous operation
- Does not clog soil or contaminate property
- Worry-free warranty
- Can cope with periods of fluctuating usage

INSTALLED FOR LIFE

- Zero energy required
- Extremely clean effluent
- Easy installation
- The full tank or full system never needs to be removed or replaced

COMPACT AND DISCREET

- Odourless
- Blends into your customers landscaping

LOW MAINTENANCE

- Replacement of coco filter every 10-15 years

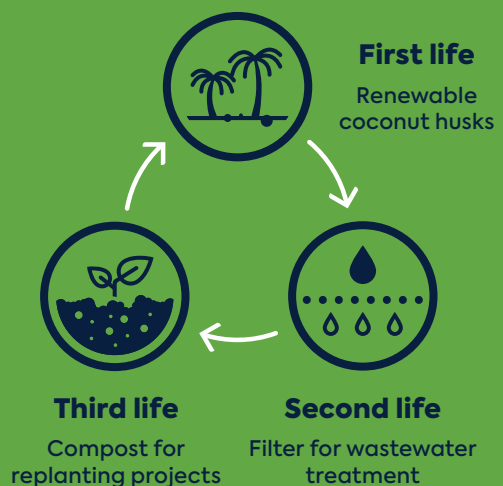
BEST LONG-TERM INVESTMENT

- Maintains the selling price of your customers property
- No energy bills
- No hidden costs
- No full-system replacements

NATURAL, RENEWABLE, COMPOSTABLE FILTER

By transforming coconut husk fragments into a filtering media, we also give second life to a valuable resource and ensure that no part of the coconut tree's bounty is wasted.

Due to the nature of the coconut husk filtering media, the all-natural product we create is not only renewable, but fully compostable after its years of treating wastewater are over.



INSTALLATION

Ecoflo is packaged as a super-reinforced sewage treatment system and can be easily installed.

WARRANTY

All Premier Tech polyethylene tanks come with a standard 10-year warranty. Individual product and part warranties are available upon request.

Premier Tech works closely with a nationwide network of installation professionals. We proudly provide all of our partners with installation guidelines for each of our products.

10
YEAR
WARRANTY

Ecoflo is how we make a sustainable difference. Together.

> QUICK INSTALLATION

- Simple plug and play design
- No need to remove an existing septic tank or sewage treatment plant
- Ready to use systems
- Easy to follow instructions
- Troubleshooting by our experts
- Lightweight

> PRODUCT AVAILABILITY

- Rapid dispatch from Mallow, County Cork

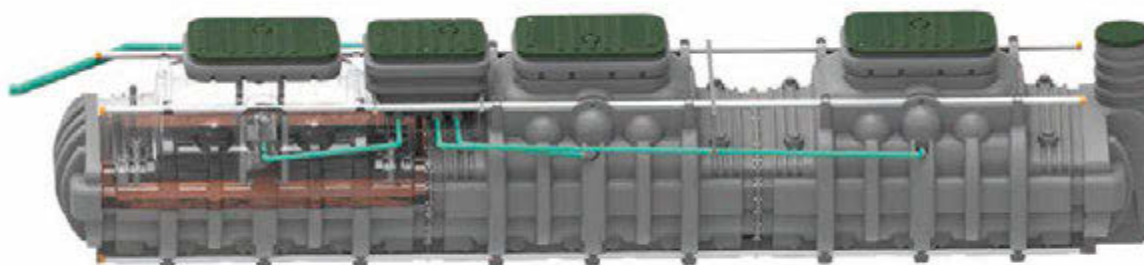


SEPTIC TANK USERS

Properties with dated septic tanks and soakways can be upgraded with an Ecoflo system without the need to replace the existing tank.

NEWLY INSTALLED SEWAGE TREATMENT PLANTS

Ecoflo can also be specified as part of a new treatment system.



THE #1 COMPACT SYSTEM OF CHOICE!

OFF-GRID APPLICATIONS WHERE IMPROVED EFFLUENT QUALITY IS BENEFICIAL

- Domestic properties
- National parks
- Leisure and holiday parks
- Golf courses
- Holiday homes
- Visitor centres
- Zoo's and animal enclosures
- Sports venues
- Local authority parks



RANGE AND OPTIONS

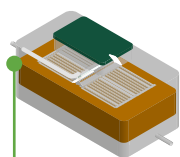
- 4-50 PE (secondary)
- 16-200 PE (tertiary)
- Larger PE options available in multiple tanks
- Splitter chambers available
- Direct discharge or pumped if required

Example options include:

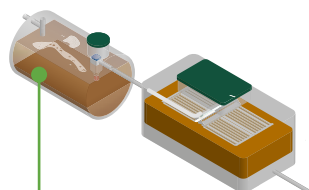
MANUFACTURER SUPPORT

Ecoflo is manufactured to meet a variety of capacity needs, so whether your project is residential, commercial, requires a bespoke design or has to cope with seasonal fluctuations or flow intensity, Premier Tech can meet your requirements.

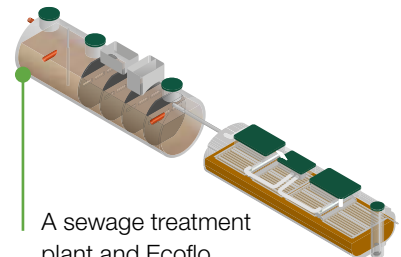
- Expert advice by phone or online
- Worry-free warranty



Stand-alone Ecoflo



A septic tank and Ecoflo
(secondary treatment)



A sewage treatment
plant and Ecoflo
(tertiary treatment)

Protecting our communities, our environment and our planet for generations to come

ECOFLO TREATMENT RESULTS

Treatment	Parameter			
	COD	BOD ₅	TSS	NH ₄ -N
Secondary Effluent (mg/L)	59	5.4	5.2	5.5
Removal from secondary (%)	92.2	98.2	98.5	91.1

as per 12566-3 Declaration of performance

Tertiary Effluent (mg/L)	34.8	2.4	1.2	2.5
Removal from tertiary (%)	41	56	77	54

as per 12566-7 Declaration of performance

ECOFLO TECHNICAL DATA

Filter surface (m ²)	Ecoflo (options)	Secondary	Tertiary	Ecoflo requirements
		Hydraulic (L/d)	Hydraulic (L/d)	
2.6	4	600	2,400	1 x Ecoflo 4
3.9	6	900	3,600	1 x Ecoflo 6
5.2	8	1,200	4,800	2 x Ecoflo 4
7.8	12	1,800	7,200	2 x Ecoflo 6
11.7	18	2,700	10,800	3 x Ecoflo 6
16.9	26	3,900	15,750	1 x Ecoflo 26
24.7	38	5,700	23,100	1 x Ecoflo 38
32.5	50	7,500	30,000	1 x Ecoflo 50

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