

Tricel is a global provider of high performance solutions for the Water, Environmental, Construction and Materials industries. Our company ethos "Generations of Innovation" is built around three interlinking themes; Innovation, Quality and Heritage, which have been developed over the last 40 years. We deliver innovative quality solutions that our customers can trust. With manufacturing locations in 5 countries we possess a broad and distinct range of capabilities enabling us to supply a comprehensive range of products to over 50 countries worldwide.

Tricel global presence

One of Europe's largest manufacturers of wastewater treatment products, treating over 24 million litres of wastewater per day.



Your Tricel Partner

PIA	
PERFORMANCE RESULTS	
Tricel (Killarney) Ballyspillane Industrial Estate, Killarney, Co. Kerry, Ireland EN 12566-3 Annex B	
Results corresponding to the test protocol Annex for SE EN 12566-3 Small wastewater treatment system Tricel Seta Conventional flow rate results system Test report PIA0115 201511	
Initial organic load test	0.20787
Initial organic load test	0.00000
Initial	0.00000
Treatment efficiency (overall)	100%
CO ₂	10.5%
NO ₃	10.5%
SS	10.5%
PhosP	10.5%
Electrical consumption	0.00000
*Water volume in m ³ /day/0.5m ³	
<small>PIA – PrüfInstitut für Abwasserbeseitigung GmbH PIA Center Hegerstraße 10g 30 52274 Adorf, Germany</small>	

Environmental solutions



Novo Domestic wastewater treatment plants



Vento Septic tanks



Sand polishing filters



Una Septic tanks



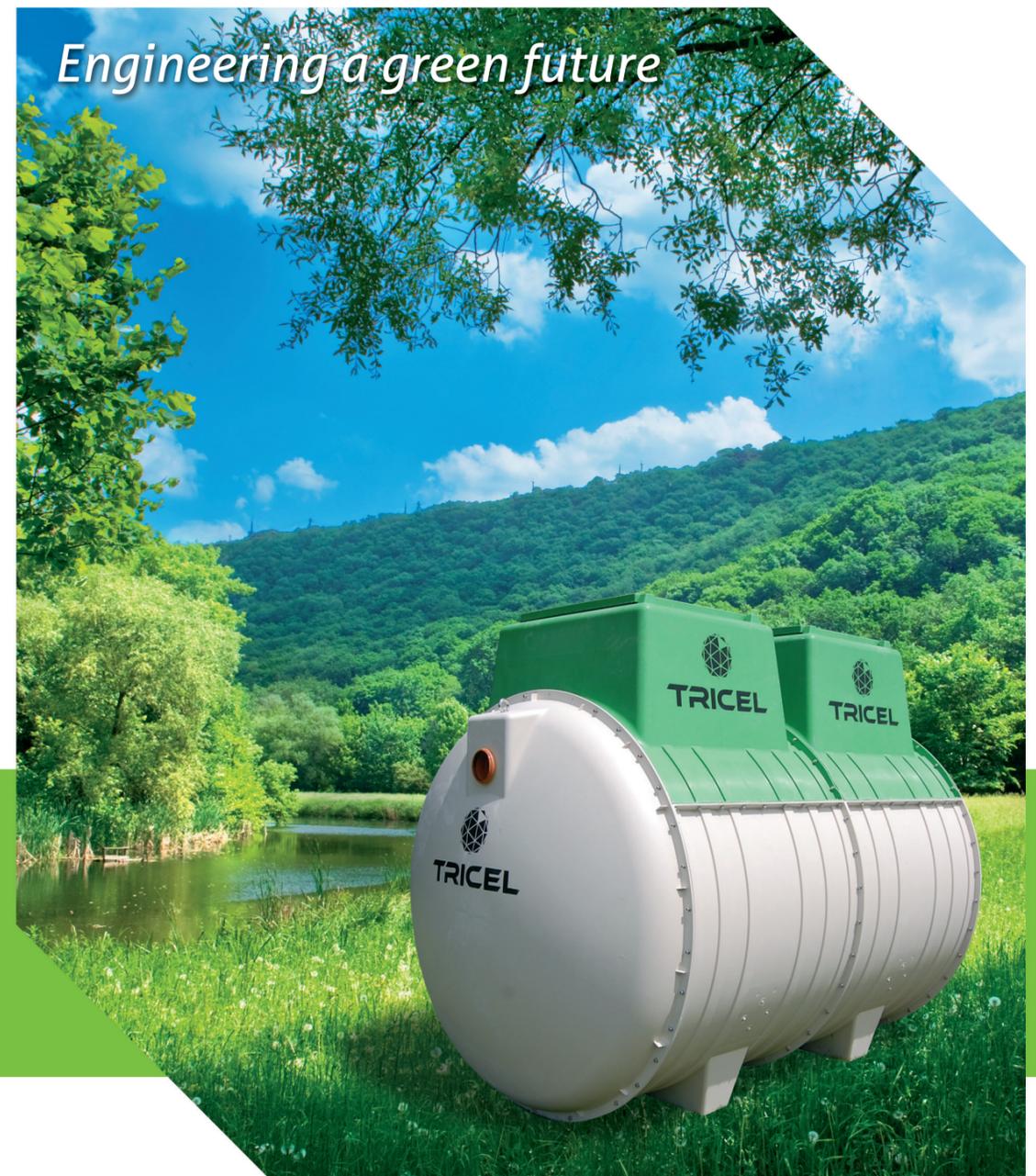
Pump sumps

Tricel - June 2015



Tricel® Seta

Wastewater treatment plants for Ireland



Tricel (Killarney), Ballyspillane Industrial Estate, Killarney, Co. Kerry, Ireland.
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In accordance with Tricel's normal policy of product development, these specifications are subject to change without notice.

Tricel Seta Plant

The Tricel Seta wastewater treatment plant is a filter technology system, suitable for constant and intermittent influent applications. Tricel uses this proven technology to give the homeowner exceptional reliability and operational cost savings as no electricity is required. The technology is an ideal solution for standard residential homes but as it experiences a very fast start-up phase it is also suitable for holiday home and school projects. Sizes range from 6 PE to 500 PE with plants CE certified to EN12566-3.

The Tricel Seta is also suitable as a tertiary plant before discharge to ground through a gravel base.

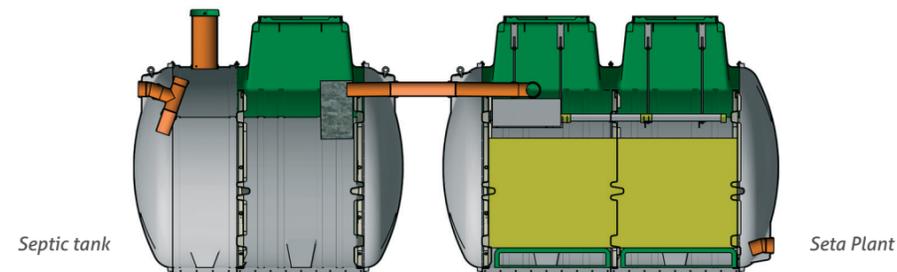
How a Tricel Seta works

Wastewater enters the primary tank (or septic tank) where heavy suspended matter falls to the bottom through settlement. At this stage anaerobic breakdown occurs and bacteria begin to consume the organic matter.

This primary treated effluent then enters the Seta tank for secondary treatment. A tipping vessel, designed to tip at a set volume, discharges the required amount of effluent into a specially designed distribution system. This system ensures equal dispersion over the media bed which results in optimum treatment of the wastewater.

As the effluent passes through the media filter it undergoes secondary treatment through physical and biological processes. Masses of naturally occurring bacteria and the natural filtering process of the coir treat the wastewater as it passes through the filter.

At the base of the filter the water which has been treated to a high standard is now suitable for disposal flowing through the outlet provided.



Finished installation of a Seta tank.



Seta tank.

Technology Filter Overview

Tricel Seta filter technology uses 100% coir fibre material for filtration and promotion of bacteria growth. Coir is a generic name for the fibres that constitute the thick mesocarp, or husk, of the coconut fruit. The short to medium length fibres which are used in Seta are a lingo cellulosic material. The high lignin content of these fibres results in an extremely durable natural material.



Coir fibre

Why buy a Tricel Seta?

<p>€€€ saving</p> <p>No electricity required for gravity outlet plants saving €€€ over the lifetime of the plant.</p>	<p>Long life natural filter media</p> <p>100% coir fibre material used for the media which has a high lignin content. This natural media is an extremely durable material which has a low carbon footprint.</p>	<p>Easily maintained</p> <p>Inexpensive maintenance contracts available.</p>
<p>Certified</p> <p>CE tested to EN12566-3 and meets the Irish Annex which is the standard for all plants for the Irish market.</p>	<p>Durability</p> <p>Tricel plants are manufactured from SMC, which is the strongest fibre glass composite on the market providing a lightweight and strong tank for ease of installation.</p>	<p>Locally Manufactured</p> <p>Local advice and back up with a network of local distributors ensuring a swift response to after sales calls.</p>
<p>Big brand</p> <p>Buy from Europe's largest producer of domestic treatment plants ensuring peace of mind and all the security of a big brand.</p>	<p>Irish jobs</p> <p>All plants are manufactured in Ireland promoting local jobs.</p>	<p>Suitable for intermittent use</p> <p>System is ideal for standard domestic use and also for schools and holiday homes with intermittent use periods.</p>
<p>Aesthetic finish</p> <p>Plants have small green manhole covers which blend into grass and do not obtrude on the lawn.</p>	<p>Odour control</p> <p>Coir naturally absorbs foul odours and neutralises harmful gases.</p>	<p>Tertiary treatment</p> <p>Can be used for tertiary treatment which means there is no need for a large percolation area just a small distribution area.</p>

Seta Plant	No. of People	Length	Width	Height	Weight empty	Inlet invert to base	Outlet invert to base	Inlet invert to ground	Min septic tank volume*
		mm	mm	mm	kg	m	m	m	litres
Seta 6	1-6	2.6	1.64	1.99	300	1.375	0.15	0.535	2700
Seta 9	1-9	3.6	1.64	1.99	400	1.375	0.15	0.535	4050
Seta 12	2-12	4.6	1.64	1.99	500	1.375	0.15	0.535	3510
Seta 18	2-18	6.6	1.64	1.99	700	1.375	0.15	0.535	5265
Seta 24	4-24	2 tanks 4.6	1.64	1.99	500 each	1.375	0.15	0.535	6265
Seta 36	4-36	2 tanks 6.6	1.64	1.99	700 each	1.375	0.15	0.535	8640

*All septic tanks must be fitted with a filter

Optional extras

- **Distribution box** to evenly distribute the treated wastewater into the polishing filter.
- **Manhole risers** 250mm and 500mm riser extensions available.
- **Pumped discharge** option using a Tricel pump station is available.
- **Range of service contracts** available carried out by our trained and experienced service crews.
- **Emergency breakdown contracts.**
- **Range of GRP and PE septic tanks.**

