



Institute for  
Wastewater  
Technology

## PERFORMANCE RESULTS

**KMG Killarney Plastics Ltd.**  
Ballyspillane Industrial Estate, Killarney, Co. Kerry  
Ireland

**EN 12566-3 Annex A, B, C**  
"Small wastewater treatment systems for up to 50 PT"

**Small wastewater treatment system TRI-CEL®**  
fluidised bed reactor in a GRP tank

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Nominal organic daily load	0.26	kg/d		
Nominal hydraulic daily load	0.90	m <sup>3</sup> /d		
Material	glass reinforced plastic (GRP)			
Watertightness	pass			
Crushing resistance	pass			
Treatment efficiency (nominal sequences)		Efficiency	Effluent	
	COD	91.6 %	52 mg/l	
	BOD <sub>5</sub>	95.9 %	11 mg/l	
	NH <sub>4</sub> -N*	79.9 %	8 mg/l	
	SS	95.3 %	16 mg/l	
Electrical consumption	1.1	kWh/d		

\* determined for temperatures  $\geq 12^{\circ}\text{C}$  in the bioreactor.

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Performance tested by:

**PIA - Prüfinstitut für Abwassertechnik GmbH**  
(PIA GmbH)  
Hergenrather Weg 30  
D-52074 Aachen

Certified according to  
ISO 9001:2000



Notified Body number: 1739



This document replaces neither the declaration  
of conformity nor the CE marking.

Prüfinstitut für Abwassertechnik GmbH  
  
geprüft - tested - testé

Elmar Lancé

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