

# TREATMENT PERFORMANCE RESULTS

**Kilkenny Pre-Cast Concrete Ltd.**  
Hebron Rd., Kilkenny, Co. Kilkenny, Ireland

**EN 12566-3**

Results corresponding to EN 12566-3 and S.R. 66

PIA-SR66-1601-1002

**KPC Bio-Filter**

Aerated biological process

Nominal organic daily load	0.34 kg/d		
Nominal hydraulic daily load	1.08 m <sup>3</sup> /d		
Material	Concrete		
Watertightness	Pass		
Structural behaviour (calculation)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	92.7 %	49 mg/l
	BOD <sub>5</sub>	95.8 %	12 mg/l
	NH <sub>4</sub> -N	86.0 %	4.9 mg/l
	SS	96.6 %	13 mg/l
Number of desludging	Not more than once		
Electrical consumption	1.3 kWh/d		

Performance tested by:

**PIA – Prüfinstitut für Abwassertechnik GmbH**  
(PIA GmbH)  
Hergenrather Weg 30  
52074 Aachen, Germany

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



Notified Body  
No.: 1739



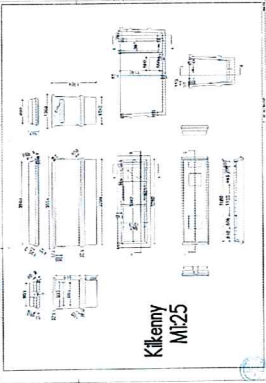
Certified according to  
ISO 9001:2008



Elmar Lancé

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KPC Bio-Filter range and its referring test reports:

Name of the model and/or population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial Type Test (ITT)  7	 <p style="text-align: center;">Kilkenny M125</p>	Pass  PIA2012-WD/NC-1209-1058	Pass  PIA2012-152B90	Pass  PIA2009-ST-AT-0808-1059  For wet ground conditions also, installation depth 1.30 m from inlet invert	Pass  PIA2016-DH-1601-1002.01

