

Prüfinstitut für Abwassertechnik GmbH

*Prüf- und Entwicklungsinstitut
für Abwassertechnik an der RWTH Aachen*



DIN EN ISO 9001:2008

**Report on the treatment efficiency test
according to EN 12566-3 of the small
wastewater treatment plant**

Tri-Cel

of

KMG Killarney Plastics Ltd.

Test report - No. PIA2008-103B18

Aachen, December 2008

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Prüfinstitut für Abwassertechnik GmbH

*Prüfeinrichtung des Prüf- und Entwicklungsinstituts
für Abwassertechnik an der RWTH Aachen*



DIN EN ISO 9001:2000

**Test report of the structural
behaviour according to EN 12566-3 C.4.2 of a
glass reinforced plastic tank**

from the company

KMG Killarney Plastics Ltd.

Ballyspillane Ind Est

Killarney

Co Kerry

Ireland

Test report No. PIA2009-ST-AT0807-1025

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Aachen, November 2009

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für Abwassertechnik an der RWTH Aachen



DIN EN ISO 9001:2000

**Report on the test of watertightness
according to EN 12566-3 of glass
reinforced plastic tanks of the range**

„Tri-Cell“

from the company

KMG Killarney Plastics Ltd.

Ballyspillane Ind. Est.

Killarney

Co. Kerry

Ireland

Test Report-No. PIA2009-WD-AT0909-1055

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ICS 13.060.30

English Version

**Small wastewater treatment systems for up to 50 PT - Part 3:
Packaged and/or site assembled domestic wastewater treatment
plants**

Petites installations de traitement des eaux usées
jusqu'à 50 PTE - Partie 3: Stations d'épuration des
eaux usées domestiques prêtes à l'emploi et/ou
assemblées sur site

Kleinkläranlagen für bis zu 50 EW - Teil 3:
Vorgefertigte und/oder vor Ort montierte Anlagen
zur Behandlung von häuslichem Schmutzwasser

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 165.

This draft amendment A1, if approved, will modify the European Standard EN 12566-3:2005. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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Ref. No. EN 12566-3:2005/prA1:2008: E

CE

KMG Killarney Plastics Limited
Ballyspillane Industrial Est
Killarney,
Co Kerry,
Ireland

I.S. EN 12566-3

Packaged domestic wastewater treatment plant for treatment of domestic wastewater

Product's reference code: **"Tri-Cel P6"**

Material: GRP

Effectiveness of treatment:

Treatment efficiency ratios	BOD5: 95.8 % SS: 95.2 %
Nominal organic daily load (BOD5) Nominal hydraulic daily flow (QN)	0.36 kg/d 1.2 m3/d
Water tightness:	Pass
Crushing resistance:	Pass
Durability	Pass

CE

KMG Killarney Plastics Limited
Ballyspillane Industrial Est
Killarney,
Co Kerry,
Ireland

I.S. EN 12566-3

Packaged domestic wastewater treatment plant for treatment of domestic wastewater

Product's reference code: **"Tri-Cel P9"**

Material: GRP

Effectiveness of treatment:

Treatment efficiency ratios	BOD5: 95.8 % SS: 95.2 %
Nominal organic daily load (BOD5) Nominal hydraulic daily flow (QN)	0.54 kg/d 1.8 m3/d
Water tightness:	Pass
Crushing resistance:	Pass
Durability	Pass

CE

KMG Killarney Plastics Limited
Ballyspillane Industrial Est
Killarney,
Co Kerry,
Ireland

I.S. EN 12566-3

Packaged domestic wastewater treatment plant for treatment of domestic wastewater

Product's reference code: **“Tri-Cel P12”**

Material: GRP

Effectiveness of treatment:

Treatment efficiency ratios	BOD5: 95.8 % SS: 95.2 %
Nominal organic daily load (BOD5) Nominal hydraulic daily flow (QN)	0.72 kg/d 2.4 m3/d
Water tightness:	Pass
Crushing resistance:	Pass
Durability	Pass

CE

KMG Killarney Plastics Limited
Ballyspillane Industrial Est
Killarney,
Co Kerry,
Ireland

I.S. EN 12566-3

Packaged domestic wastewater treatment plant for treatment of domestic wastewater

Product's reference code: **“Tri-Cel P18”**

Material: GRP

Effectiveness of treatment:

Treatment efficiency ratios	BOD5: 95.8 % SS: 95.2 %
Nominal organic daily load (BOD5) Nominal hydraulic daily flow (QN)	1.08 kg/d 3.6 m3/d
Water tightness:	Pass
Crushing resistance:	Pass
Durability	Pass

CE

KMG Killarney Plastics Limited
Ballyspillane Industrial Est
Killarney,
Co Kerry,
Ireland

I.S. EN 12566-3

Packaged domestic wastewater treatment plant for treatment of domestic wastewater

Product's reference code: **“Tri-Cel P20”**

Material: GRP

Effectiveness of treatment:

Treatment efficiency ratios	BOD5: 95.8 % SS: 95.2 %
Nominal organic daily load (BOD5) Nominal hydraulic daily flow (QN)	1.2 kg/d 4.0 m3/d
Water tightness:	Pass
Crushing resistance:	Pass
Durability	Pass

CE

KMG Killarney Plastics Limited
Ballyspillane Industrial Est
Killarney,
Co Kerry,
Ireland

I.S. EN 12566-3

Packaged domestic wastewater treatment plant for treatment of domestic wastewater

Product's reference code: **“Tri-Cel P24”**

Material: GRP

Effectiveness of treatment:

Treatment efficiency ratios	BOD5: 95.8 % SS: 95.2 %
Nominal organic daily load (BOD5) Nominal hydraulic daily flow (QN)	1.44 kg/d 4.8 m3/d
Water tightness:	Pass
Crushing resistance:	Pass
Durability	Pass

CE

KMG Killarney Plastics Limited
Ballyspillane Industrial Est
Killarney,
Co Kerry,
Ireland

I.S. EN 12566-3

Packaged domestic wastewater treatment plant for treatment of domestic wastewater

Product's reference code: **“Tri-Cel P30”**

Material: GRP

Effectiveness of treatment:

Treatment efficiency ratios	BOD5: 95.8 % SS: 95.2 %
Nominal organic daily load (BOD5) Nominal hydraulic daily flow (QN)	1.8 kg/d 6.0 m3/d
Water tightness:	Pass
Crushing resistance:	Pass
Durability	Pass

CE

KMG Killarney Plastics Limited
Ballyspillane Industrial Est
Killarney,
Co Kerry,
Ireland

I.S. EN 12566-3

Packaged domestic wastewater treatment plant for treatment of domestic wastewater

Product's reference code: **“Tri-Cel P36”**

Material: GRP

Effectiveness of treatment:

Treatment efficiency ratios	BOD5: 95.8 % SS: 95.2 %
Nominal organic daily load (BOD5) Nominal hydraulic daily flow (QN)	2.2 kg/d 7.2 m3/d
Water tightness:	Pass
Crushing resistance:	Pass
Durability	Pass

CE

KMG Killarney Plastics Limited
Ballyspillane Industrial Est
Killarney,
Co Kerry,
Ireland

I.S. EN 12566-3

Packaged domestic wastewater treatment plant for treatment of domestic wastewater

Product's reference code: **“Tri-Cel P42”**

Material: GRP

Effectiveness of treatment:

Treatment efficiency ratios	BOD5: 95.8 % SS: 95.2 %
Nominal organic daily load (BOD5) Nominal hydraulic daily flow (QN)	2.52 kg/d 7.2 m3/d
Water tightness:	Pass
Crushing resistance:	Pass
Durability	Pass

CE

KMG Killarney Plastics Limited
Ballyspillane Industrial Est
Killarney,
Co Kerry,
Ireland

I.S. EN 12566-3

Packaged domestic wastewater treatment plant for treatment of domestic wastewater

Product's reference code: **“Tri-Cel P50”**

Material: GRP

Effectiveness of treatment:

Treatment efficiency ratios	BOD5: 95.8 % SS: 95.2 %
Nominal organic daily load (BOD5) Nominal hydraulic daily flow (QN)	3.0 kg/d 10.0 m3/d
Water tightness:	Pass
Crushing resistance:	Pass
Durability	Pass

Tricel

of

KMG Killarney Plastics Ltd.

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Aachen, December 2008



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In accordance with KMG Killarney Plastics Ltd normal policy of product development, this specification is subject to change without notice. 2010.

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