

**Prüfinstitut für Abwassertechnik GmbH**

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



DIN EN ISO 9001:2000

**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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DIN EN ISO 9001:2000

## Report

### On the Test of Watertightness according to EN 12566-3 of Glass Reinforced Plastic Plants of the range "Tri-Cel Bio Systems"

from the company

**KMG Killarney Plastics Ltd.**

Ballyspillane Ind Est

Killamey

Co Kerry

Ireland

**Test Report-No. PIA2008-WD-AT0807-1048**

Aachen, November 2008

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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.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: rue de Stassart, 36 B-1050 Brussels

# 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:

<b>Treatment efficiency ratios</b>	<b>BOD5: 95.8 %</b> <b>SS: 95.2 %</b>
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### Treatment capacity (nominal designation):

<b>Nominal organic daily load (BOD5)</b>	<b>0.36 kg/d</b>
<b>Nominal hydraulic daily flow (QN)</b>	<b>1.2 m3/d</b>
<b>Water tightness:</b>	<b>Pass</b>
<b>Crushing resistance:</b>	<b>Pass</b>
<b>Durability</b>	<b>Pass</b>

# 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 P10"**  
**Material: GRP**

### Effectiveness of treatment:

<b>Treatment efficiency ratios</b>	<b>BOD5: 95.8 %</b> <b>SS: 95.2 %</b>
<b>Treatment capacity (nominal designation):</b>	
<b>Nominal organic daily load (BOD5)</b>	<b>0.6 kg/d</b>
<b>Nominal hydraulic daily flow (QN)</b>	<b>2.0 m3/d</b>
<b>Water tightness:</b>	<b>Pass</b>
<b>Crushing resistance:</b>	<b>Pass</b>
<b>Durability</b>	<b>Pass</b>

# 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:**

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

# 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:

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

# 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:**

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

# 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:**

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

# 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 P40"**  
**Material: GRP**

### Effectiveness of treatment:

<b>Treatment efficiency ratios</b>	<b>BOD5: 95.8 %</b> <b>SS: 95.2 %</b>
<b>Treatment capacity (nominal designation):</b>	
<b>Nominal organic daily load (BOD5)</b>	<b>2.4 kg/d</b>
<b>Nominal hydraulic daily flow (QN)</b>	<b>8.0 m3/d</b>
<b>Water tightness:</b>	<b>Pass</b>
<b>Crushing resistance:</b>	<b>Pass</b>
<b>Durability</b>	<b>Pass</b>

# 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 P45"**  
**Material: GRP**

### Effectiveness of treatment:

<b>Treatment efficiency ratios</b>	<b>BOD5: 95.8 %</b> <b>SS: 95.2 %</b>
<b>Treatment capacity (nominal designation):</b>	
<b>Nominal organic daily load (BOD5)</b>	<b>2.7 kg/d</b>
<b>Nominal hydraulic daily flow (QN)</b>	<b>9.0 m3/d</b>
<b>Water tightness:</b>	<b>Pass</b>
<b>Crushing resistance:</b>	<b>Pass</b>
<b>Durability</b>	<b>Pass</b>

# 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:**

<b>Treatment efficiency ratios</b>	<b>BOD5: 95.8 %</b> <b>SS: 95.2 %</b>
<b>Treatment capacity (nominal designation):</b>	
<b>Nominal organic daily load (BOD5)</b>	<b>3.0 kg/d</b>
<b>Nominal hydraulic daily flow (QN)</b>	<b>10 m3/d</b>
<b>Water tightness:</b>	<b>Pass</b>
<b>Crushing resistance:</b>	<b>Pass</b>
<b>Durability</b>	<b>Pass</b>

**Tri-Cel**

of

**KMG Killarney Plastics Ltd.**

**Test report - No. PIA2008-103B18**

Aachen, December 2008



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