


# Environmental data sheet:



## BG-FILCOTEN® pro – G / V / E

**Drainage channels made of FILCOTEN® HPC (High Performance Concrete)  
incl. ductile iron edge (G) / galvanized edge (V) / stainless steel edge (E)**

- Verified LCA (life cycle analysis) according to ISO 14040 respectively EN15804
- Certified energy – and environmental management system ISO 50001 and ISO 14001 at the place of production in Oberwang/Upper Austria
- Quality class UA according to the guidelines for recycling of building materials (Building Materials Recycling Association AT)
- IBR certified – biologically tested for – VOC, biocides, radioactivity

Technical data: <b>BG-FILCOTEN® pro</b>	<b>100-0</b>	<b>100 20-0</b>	<b>150-0</b>	<b>150 20-0</b>	<b>200-0</b>	<b>200 20-0</b>	<b>300-0</b>	<b>300 20-0</b>	<b>400-0</b>	<b>400 30-0</b>
Dimensions [mm] L/W/H	1000/138/ 142	1000/138/ 245	1000/188/ 210	1000/188/ 310	1000/238/ 265	1000/238/ 365	1000/360/ 360	1000/360/ 120	1000/490/ 490	1000/490/ 640
Capacity [l/m]	8.3	16.5	20.4	31.8	35.7	50.8	72.8	95.9	140	200
Discharge cross-section [cm <sup>2</sup> ]	83	165	204	318	357	508	728	959	1400	2000

Weight [kg] pro G	19.1	32.0	31.8	48.7	45.0	65.6	81.0	110.7	146	179
Global Warming Potential [kgCO <sub>2</sub> -eq] <b>G: ductile iron edge</b> 	<b>11.5</b>	<b>15.1</b>	<b>15.0</b>	<b>19.7</b>	<b>18.7</b>	<b>24.4</b>	<b>31.8</b>	<b>40.0</b>	<b>52.8</b>	<b>62.0</b>

Weight [kg] pro V-E	18.3	31.0	30.8	47.7	44.0	64.6	75.6	109.0	---	---
Global Warming Potential [kgCO <sub>2</sub> -eq] <b>V: galvanized steel edge</b> 	<b>8.9</b>	<b>12.4</b>	<b>12.3</b>	<b>17.0</b>	<b>16.0</b>	<b>21.7</b>	<b>26.2</b>	<b>35.5</b>	---	---
Global Warming Potential [kgCO <sub>2</sub> -eq] <b>E: stainless steel edge</b> 	<b>6.8</b>	<b>10.4</b>	<b>10.3</b>	<b>15.0</b>	<b>14.0</b>	<b>19.7</b>	---	---	---	---

### Environmental indicators:

Value basis LCA environmental indicators according to ISO 14040 and ISO 14044 modules A1-A4 (A4: 200 km truck transport standardly assumed) in accordance with EN 15804, BG-Graspointner 2017, provided by ECODESIGN company - [www.ecodesign-company.com](http://www.ecodesign-company.com) and verified by ESU-services GmbH, Schaffhausen, Switzerland - [www.esu-services.ch](http://www.esu-services.ch)

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