

1. Unique identification code of the product-type:

PUROO®

2. Intended use:

Treatment of domestic wastewater for a population up to 16 PT

3. Manufacturer:

**ATB WATER GmbH
Südstr. 2
D-32457 Porta Westfalica**

4. Authorised representative:

Not relevant

5. System(s) of assessment and verification of constancy of performance:

System 3

6. a) Harmonized standard:

EN 12566-3:2005+A2:2013

Notified body(ies):

Treatment efficiency: NB1739 (PIA GmbH, Aachen)

Watertightness, Load bearing capacity, Durability, Reaction to fire:

- **PE (Typ A), PP: NB1739 (PIA GmbH, Aachen)**
- **Concrete: NB0992 (MFPA, Weimar)**
- **PE (AT122): NB1164 (CERIB, Epernon Cedex)**

7. Declared performance:

Effectiveness of treatment, as: Treatment efficiency											
- treatment efficiency ratios [%] (tested organic daily load: 0,23 kg BOD ₅ /d)	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 150px;">COD</td> <td>95,5 (38 mg/l)</td> </tr> <tr> <td>BOD₅</td> <td>97,9 (8 mg/l)</td> </tr> <tr> <td>NH₄-N</td> <td>94,8 (2,1 mg/l)</td> </tr> <tr> <td>N_{tot}</td> <td>78,1 (16 mg/l)</td> </tr> <tr> <td>SS</td> <td>98,2 (8 mg/l)</td> </tr> </table>	COD	95,5 (38 mg/l)	BOD ₅	97,9 (8 mg/l)	NH ₄ -N	94,8 (2,1 mg/l)	N _{tot}	78,1 (16 mg/l)	SS	98,2 (8 mg/l)
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Treatment capacity, as: Designation											
- nominal organic daily load	0,24 kg BOD ₅ /d										
- nominal hydraulic daily flow (Q _N)	0,6 m ³ /d										
Watertightness (Watertest)	Pass										
Crushing resistance and maximum load deformation as:											
Load bearing capacity	<u>PE (Typ A):</u> max. allowed height of backfill: 0,80 m; WET: 1,95 m <u>Concrete, PP:</u> max. allowed height of backfill: 1,0 m; DRY <u>PE (AT122):</u> max. allowed height of backfill: 0,80 m; WET: 1,45 m										
Durability	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 100px;">Pass</td> <td> <u>PE:</u> Blow moulding [EN ISO 1133:2005, G; EN ISO 1183; EN ISO 572-2, 1B] <u>Concrete:</u> [EN 206-1] <u>PP:</u> Injection moulding [EN ISO 1133, EN ISO 527-2] </td> </tr> </table>	Pass	<u>PE:</u> Blow moulding [EN ISO 1133:2005, G; EN ISO 1183; EN ISO 572-2, 1B] <u>Concrete:</u> [EN 206-1] <u>PP:</u> Injection moulding [EN ISO 1133, EN ISO 527-2]								
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Reaction to fire	<u>PE, PP:</u> E / <u>Concrete:</u> A1										
Release of dangerous substances	NPD										

The performance of the product is in conformity with the declared performance. The above-mentioned manufacturer is solely responsible for drawing up the declaration of performance in accordance with Regulation (EU) No 305/2011.

Signed for and on behalf of the manufacturer by:

Markus Baumann
Porta Westfalica, 30.12.2019



ANNEX - additional information

Frequency of desludging during the practical test: 1