

## **PERFORMANCE DECLARATION FOR BIOFICIENT COMMERCIAL (GRP) EQUIPMENT**

1. **Unique identification code of the product type:**

**BIOFICIENT** sewage water treatment plant: **23** (50 PE), **34** (75PE), **38** (100 PE), **42** (125 PE), **47** (150PE), **55**(200 PE), **67** (250PE), **80**(300PE)

2. **Type, batch, or serial number or any other identifier that allows the construction product to be identified under Article 11(4) of the CPR**

BioAir Prefabricated Household Wastewater Treatment Plant: See the CE marking on the product:

**BIOFICIENT** sewage water treatment plant: **23** (50 PE), **34** (75PE), **38** (100 PE), **42** (125 PE), **47** (150PE), **55**(200 PE), **67** (250PE), **80**(300PE)

3. **Intended use(s) of the product as specified by the manufacturer in accordance with the applicable harmonized technical specifications:**

For the collection and treatment of household wastewater from 50 up to 300 inhabitants

4. **Name, registered trade name, or registered trademark and contact address of the manufacturer as required under Article 11(5)::**

**Kingspan Water & Energy Ltd  
College Rd North  
Aston Clinton, Aylesbury, Buckinghamshire  
HP22 5EW**

5. **Where applicable, the name and contact details of the authorized representative whose mandate covers the tasks specified in Article 12(2):**

6. **System(s) of assessment and verification of constancy of performance (AVCP) of the construction product as set out in Annex V of the CPR**

7. **In case of a declaration of performance concerning a construction product covered by a harmonized standard: EN:12566-3:2005+A2:2013**

Notified organisation:

Number of the Notified organization:

**1739 + PIA Prüfinstitut für Abwassertechnik GmbH**

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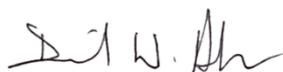


8. Declared performance(s):

Essential Characteristics		Performance		Harmonized Technical Specification
<b>Structural behavior</b>		Confirmed by pit test under the following conditions: EN:12566-3:2005+A2:2013 Maximum installation depth 0 m above cover level Maximum water level in wet conditions 2.49 m		<b>EN:12566-3:2005+A2:2013</b>
<b>Reaction to fire</b>		Class E		
<b>Watertightness (water test)</b>		Watertight (water test)		
<b>Durability of material</b>		Crack factor $\alpha_{\text{material}} = 0.48$ (average value)		
		Aging factor ( $\beta$ ) = 0.46 (average value)		
<b>Treatment efficiency</b>	<b>COD</b>	89.4%	59 mg/l	
	<b>BOD<sub>5</sub></b>	95.7%	10 mg/l	
	<b>NH<sub>4</sub>-N</b>	88.6%	3.8 mg/l	
	<b>SS</b>	94.8%	15 mg/l	
	<b>P</b>	NPD	NPD	
	<b>KN</b>	NPD	NPD	
<b>Electrical consumption</b>		1.3 kWh/day (measured during 38-week test)		
<b>Emission of hazardous substances</b>		NPD		

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed on behalf of the manufacturer:



David Anderson – Director of the Water Business Unit

At Portadown on 22 September 2021

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