BioTec+2 & 3 MDPE - DECLARATION OF PERFORMANCE

kingspan-klargester-biotec+-2-3-dop-en-gb-may-2025-v2

1.Unique identification code of the product-type:

Wastewater Treatment Plant for 6 & 9 Population Equivalents
BioTec+ 2 (6PE) & BioTec+ 3 (9PE)

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR:

BioTec + Prefabricated Domestic Wastewater Treatment Plant: See CE marking affixed to product
BioTec+ 2 (6PE) & BioTec+ 3 (9PE)

3. Intended use/es of the product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

To be used for Collection & Treatment of Wastewater from Domestic applications up to 9 Population Equivalent

4. Manufacturer name, registered trade name or registered trademark and contact address as required under Article 11(5):

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

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

N/A

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

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7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

EN:12566-3:2005+A2:2013

Notified body/ bodies:

Notified Body No: 1739 + PIA Prüfinstitut für Abwassertechnik GmbH

8. Declared performance/s:

Essential characteristics		Performance		Harmonised technical specification
Structural Behaviour		**Confirmed by Pit Test under the following Conditions - 1.5m Invert: Height of Backfill (from top of Tank) = 1.29m (Includes using extension necks) WET = 1.69m - Maximum water level from bottom of the tank to Shoulder of the Tank (top of tank itself)**		**EN:12566-3:2005+A2:2013**
Reaction to fire		**Class E**		
Water Tightness (water test)		**Water Tight (water test)**		
Material Durability		**MFR (230/2,16) = (4,0± 3,0g)/10 min (EN ISO 1133)**		
		Density ≥ 930 kg/m³ (EN ISO 1133)		
		Tensile Strength	**At Yield (50mm/min) 21MPa**	
			At break (50mm/min) 21MPa	
Treatment Efficiency	**COD**	**95.9%**	**32 mg/l**	
	BOD_5	**98.5%**	**5 mg/l**	
	TN_b	**75.5%**	**15 mg/l**	
	NH_4-N	**83.6%**	**8.3 mg/l**	
	P_{tot}	**60.8%**	**3.5 mg/l**	
	SS	**97.6%**	**9 mg/l**	
Electrical Consumption (measured during 38-week test)		**0.61 kWh/d**		
Emission of Dangerous Substances		**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 for and on behalf of the manufacturer by:

David Anderson – Manging Director GB&I

At Portadown on 30 May 2025