

**No. KEL-CPR-020**

1. Unique identification code of the product-type:

**Waste Water Treatment Plant for 6 to 50 Population Equivalents  
BA, BB, BC, BD, BE & BF BioDisc**

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:

**BioDisc Prefabricated Domestic Waste Water Treatment Plant: See CE marking affixed to product  
BA (6PE) to BF (50PE)**

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

**Collection & Treatment of Waste Water from Domestic applications up to 50 Population Equivalent**

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

**Kingspan Environmental 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 or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

**System 3**

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

**EN:12566-3 2016-10  
PIA Prüfinstitut für Abwassertechnik GmbH, Notified Body No: 1739  
Has executed initial type testing according to system 3 and delivered the test reports**

8. **Kingspan Water Treatment Plants for above 50PE up to 300PE, i.e. BG, BH, BJ, BK, BL, BM & BN are designed and manufactured to BS EN 12255-1:2002 Wastewater Treatment Plants - General Construction Principles.**

9. Declared performance:

Essential Characteristics		Performance		Harmonised technical specification
Structural Behaviour		Confirmed by Pit Test under the following Conditions: - Maximum installation Depth 0m over cover level - Wet conditions maximum water level 2.55m		EN:12566-3 2016-10
Resistance to fire		Class E		
Water Tightness (water test)		Water Tight (water test)		
Material Durability		MFR (230/2,16) = (5,0± 3,0g)/10 min (EN ISO 1133)		
		Density ≥ 905 kg/m <sup>3</sup> (EN ISO 1133)		
		Yield Stress ≥ 30 Mpa (EN ISO 527-2)		
		Creep Factor $\alpha_{\text{material}} = 0,48$ (average value)		
		Ageing Factor ( $\beta$ ) = 0,46 (average value)		
Treatment Efficiency	COD	89.4%	59 mg/l	
	BOD <sub>5</sub>	95.7%	10 mg/l	
	NH <sub>4</sub> -N	88.6%	3.8 mg/l	
	SS	94.8%	15 mg/l	
	P	NPD	NPD	
	KN	NPD	NPD	
Electrical Consumption		1.3kWh/d		
Number of Desludgings		0		
Emission of Dangerous Substances		NPD		

Signed for and on behalf of the manufacturer by:

.....  
(Name and function)

Aylesbury – 25<sup>th</sup> March 2020

.....  
(Place and date of issue)

.....  
(Signature)

KINGSPAN ENVIRONMENTAL LTD  
180 Gilford Road, Portadown  
Co. Armagh, BT63 5LF

+44 (0) 28 3836 4400  
+44 (0) 28 3836 4445  
enquiry@kingspanenv.com  
kingspanenv.com

Registered in N. Ireland  
Company Reg. No. NI17631