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**Labko**

CONNECT TO BETTER

00KU09de

DECLARATION ON PERFORMANCE**No. EN 12566-3-GRP-00KU09**

1. Unique identification code of the product-type: Glass reinforced plastic made Labko BioKem Sequence Batch Reactor BioKem 10 EN, BioKem 15 EN, BioKem 20, BioKem 30, Biokem 40 and Biokem 50.
2. Intended use/es: Small domestic wastewater treatment system for a population up to 10 - 50 PT
3. Manufacturer:

Wavin-Labko Oy,
Visiokatu 1
33720 Tampere, Finland
Tel. +358 20 1285 200
Email: info@wavin-labko.fi

5. System/s of AVCP: System 3

6. a) Harmonised standard: EN 12566-3:2005+A2:2013 Small wastewater treatment systems for up to 50 PT. Part 3: Packaged and/or site assembled domestic wastewater treatment plants.

Notified body/ies: Suomen ympäristökeskus SYKE, notified body number 1762, performed product type testing for treatment efficiency and treatment capacity under system 3 and issued the test report "Testausraportti 16.3.2007 BioKem 6- panospuhdistamo Wavin-Labko Oy".

VTT Expert Services Oy, notified body number 0809, performed product type testing for water tightness and reaction to fire under system 3 and issued the test report "VTT-S-05608-07 and "VTT-S-7710-06".

Danish Technology Institute performed product type testing for crushing resistance under system 3 and issued the test report "208370".

7. Declared Performance:

Essential characteristic	The declared performance
Effectiveness of treatment – treatment efficiency ratios - (at tested organic daily load 0,291 kg BOD ₇ / d)	COD 92 %
	BOD 97 %
	SS 92 %
	Total phosphorous 90 %
	Total nitrogen 54 %
Treatment capacity: – Nominal organic daily load (BOD ₇) – Nominal hydraulic daily flow (Q _N)	PT * 0,06 kg/d PT * 0,15 m ³ / d
Watertightness: vacuum test	Pass
Crushing resistance: (calculation)	Backfill 1,0 m Biokem 10 and 15 EN Backfill 1,3 m Biokem 20-50 Wet 1,4 m Biokem 10 and 15 EN Wet 2,0 m Biokem 20-50
Durability	NPD
Reaction to fire	E
Release of dangerous substances	NPD

8. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Lars J Baungaard, QA/E Manager

Hammel 11.9.2018
place date of issue