CERTIFICATE OF CONFORMITY

23 – НУРВСПСРБ – КН – 031 - 43

Issued pursuant to Art. 14, par.1 and/or par.2 of Ordinance № RD-02-20-1 from 05.02.2015 on the terms and the conditions for the use of construction products in the construction works of the Republic of Bulgaria of the Ministry of Regional Development and Public Works for the construction product

Pipes from polyethylene (PE100 RC)

Designed for installations outside buildings for water supply, drainage and sewerage under pressure with dimensions, working pressure and evaluated characteristics in accordance with Annex № 1 to this Certificate

Released on the market by:
KONTI HIDROPLAST DOOEL
Industriska b.b, 1480 Gevgelija, Republic of North Macedonia

Produced in:
KONTI HIDROPLAST DOOEL
Industriska b.b, 1480 Gevgelija, Republic of North Macedonia

This Certificate certifies that the product's characteristics have been evaluated according to

BDS EN 12201-2:2011 + A1:2013
BDS EN 12201-2:2011 + A1:2013/ NA:2014

and conform to the national requirements, defined in
point 7 from Annex № 2 to item 2 of Order № РД-02-14-1329 from 03.12.2015 of the Minister of the Regional Development and Public Works, amended and supplemented by Order № РД-02-14-590 from 05.07.2017, Order № РД-02-14-252 from 10.03.2021

The Certificate was issued for the first time on **21.03.2023, reissued on 09.05.2023** and remains valid until **20.03.2026**, provided that the producer ensures consistency of product characteristics and the conditions of production or production control have not been changed significantly.

BULAQUA STANDART

Place of issuance: Sofia
Date: 09.05.2023

CEO:
(Dipl. Ing. Alexander Marinchev)

This certificate includes 1 Annex of 2 pages, which is an integral part of the same.

Annex №1

to Certificate of conformity № 23 – НУРВСПСРБ – КН – 031 – 43

issued on 09.05.2023 and valid until 20.03.2026

1. Dimensions and working pressure

Nominal dimension DN/OD	Working pressure PN, bar	SDR	Type
20 ÷ 800	6	26	Type 1 (monolayer pipes)
20 ÷ 800	10	17	
20 ÷ 800	16	11	
20 ÷ 800	20	9	
20 ÷ 450	25	7,4	
32 ÷ 800	6	26	Type 2 (two-layer coextruded pipes and three-layer coextruded pipes)
32 ÷ 800	10	17	
20 ÷ 800	16	11	
20 ÷ 800	20	9	
20 ÷ 450	25	7,4	
40 ÷ 800	6	26	Type 3 (with peelable layer, contiguous thermoplastics additional layer from polypropylene (PP) on the outside of the pipe ("coated pipe")
40 ÷ 800	10	17	
40 ÷ 800	16	11	
40 ÷ 800	20	9	
40 ÷ 450	25	7,4	

2. Evaluated characteristics in accordance with the national requirements

Characteristic	Declaration requirement
Appearance	Smooth and clean surface, without cracks and surface pores According to BDS EN 12201-2:2011 + A1:2013, item 5.1
Colour	For water for human consumption: blue or black with blue stripes For conveying untreated water, for sewerage under pressure and drainage, vacuum sewerage systems and for water for other purposes: black or black with brown stripes According to BDS EN 12201-2:2011 + A1:2013/ NA:2014, item 5.2
Geometrical characteristics, mm	According to BDS EN 12201-2:2011 + A1:2013 Tables 1 and 2
Hydrostatic strength (80 °C-165 h)	≥ 165h without damage According to BDS EN 12201-2:2011 + A1:2013 Table 3

Elongation at break, %	≥ 350 % According to BDS EN 12201-2:2011 + A1:2013 Table 5
Oxidation induction time (thermal stability), min	≥ 20 min According to BDS EN 12201-2:2011 + A1:2013 Table 5
Melt mass-flow rate (MFR), 190 °C/ 5 kg/ 10 min	Maximum deviation ± 20 % between the measured value MFR of the raw material and the pipe According to BDS EN 12201-2:2011 + A1:2013 Table 5
Integrity of the structure after deflection, % For coextruded pipes	>80 % from the initial value of the stiffness According to Annex B from BDS EN 12201-2:2011 + A1:2013

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