

CERTIFICATE OF CONFORMITY**23 – НУРВСПСРБ – VR – 025 – 32**

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

**Plastic pipes from polyethylene (PE)
trademark "WaterKIT"**

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:

Valrom Industrie S.R.L.**28 Preciziei str, sector 6, Bucharest, Romania**

Produced in:

Valrom Industrie S.R.L.**28 Preciziei str, sector 6, Bucharest, Romania**

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 № ПД-02-14-1329 from 03.12.2015 of the Minister of the Regional Development and Public Works, amended and supplemented by Order № 02-14-590 from 05.07.2017*

The Certificate was issued for the first time on **15.06.2022** and remains valid until **14.06.2025**, provided that the producer ensures consistency of product characteristics and the conditions of production or production control have not been changed significantly.

Place of issuance: Sofia

Date: 15.06.2022

CEO:

(Dipl. Ing. Alexander Marinchev)

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

BULAQUA STANDART

Annex №1
to Certificate of conformity № 23 – НУРВСПСРБ –VR – 025 – 32
issued on 15.06.2022 and valid until 14.06.2025
1. Dimensions and working pressure

Nominal sizes DN/ OD, mm	Material and type	Trademark	Working pressure PN, bar	SDR
315 ≤ DN/OD ≤ 1200	PE100 (type 1) and PE100RC (type 1)	WaterKIT	4	41
315 ≤ DN/OD ≤ 1200			5	33
50 ≤ DN/OD ≤ 1200			6	26
40 ≤ DN/OD ≤ 1200			8	21
32 ≤ DN/OD ≤ 1200			10	17
25 ≤ DN/OD ≤ 1200			12.5	13.6
20 ≤ DN/OD < 1000			16	11
20 ≤ DN/OD ≤ 800			20	9
20 ≤ DN/OD ≤ 450			25	7.4
315 ≤ DN/OD ≤ 1200	PE100 or PE100RC with coextruded layers from PE100RC either or both the outer and/or inside part of the pipe from PE100RC (type 2)	WaterKIT	4	41
315 ≤ DN/OD ≤ 1200			5	33
50 ≤ DN/OD ≤ 1200			6	26
40 ≤ DN/OD ≤ 1200			8	21
32 ≤ DN/OD ≤ 1200			10	17
25 ≤ DN/OD ≤ 1200			12.5	13.6
20 ≤ DN/OD < 1000			16	11
20 ≤ DN/OD ≤ 800			20	9
20 ≤ DN/OD ≤ 450			25	7.4
50 ≤ DN/OD ≤ 630	PE 100 RC with peelable layer, contiguous thermoplastics additional layer from polypropylene (PP) on the outside of the pipe ("coated pipe") (type 3)	WaterPRO (WaterKIT)	6	26
40 ≤ DN/OD ≤ 630			8	21
32 ≤ DN/OD ≤ 630			10	17
25 ≤ DN/OD ≤ 630			12.5	13.6
20 ≤ DN/OD ≤ 630			16	11
20 ≤ DN/OD ≤ 630			20	9
20 ≤ DN/OD ≤ 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 According to BDS EN 12201-2:2011 + A1:2013, 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
Longitudinal reversion, %	≥ 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	> 80% of the initial stiffness value According to BDS EN 12201-2:2011 + A1:2013 Table B.1.

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