



BULGARKONTROLA S.A.

**CARGO & DAMAGE SURVEYS, LABORATORY ANALYSES,
CONFORMITY ASSESSMENT & TECHNICAL INSPECTIONS,
MANAGEMENT SYSTEMS, ORGANIC CERTIFICATION**

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CERTIFICATE OF CONFORMITY

14 – НУРВСНПРБ – 3410

Issued pursuant to Art. 14, par.1 and par.2 of the Regulation № ПД-02-20-1 on 05.02.2015 on the terms and conditions for use of construction products in the construction of the Republic of Bulgaria on Ministry of Regional Development and Public Works for the **construction product**

Pipes made of high polyethylene HDPE100 trademark "TEHNOWORLD"

are designed for construction of drinking water supply systems outside buildings,
with nominal dimension, operating pressure and evaluated characteristics in accordance with national requirements
as per Supplement № 1 to this Certificate.

placed on the market by
SC TehnoWorld SRL

**Baia, nr.1616, DN2E km2, Suceava country, postal cod RO727020,
Romania**

manufactured by
SC TehnoWorld SRL

**Baia, nr.1616, DN2E km2, Suceava country, postal cod RO727020,
Romania**

This certificate certifies that the product has been evaluated
and meets national requirements set out in
BDS EN 12201-2:2011+A1:2013
BDS EN 12201-2:2011+A1:2013/NA:2014
*and item 7 to Annex 2 of the Order № 02-14-1329 from 03.12.2015,
of the Minister of Regional Development and Public Works*

The certificate was issued on **29/05/2020** cancel the **Certificate № 14-HYPBCIICPB-2445 on 21/06/2017** and remains valid for three years until **28/05/2023**, the provided that the manufacturer ensures consistency of product characteristics and the conditions of production or production control have not been changed significantly.

Place: Sofia
Date: 29/05/2020

Director of "Conformity Assessment" Dept.

/T. Lyubanova/

BULGARKONTROLA S.A.– Sofia with identification number 14 of register Ministry of Regional Development and Public Works
Permit № ПОСЦН-14 on 15.09.2016, issued by Ministry of Regional Development and Public Works



1. Dimensions and operating pressure

Nominal dimension Dn (mm)	PN (bar)	SDR*
20 ÷ 450	25	7,4
20 ÷ 800	20	9
20 ÷ 1000	16	11
25 ÷ 1000	12,5	13,6
32 ÷ 1200	10	17
40 ÷ 1200	8	21
50 ÷ 1200	6	26
315 ÷ 1200	5	33
315 ÷ 1200	4	41

* Safety coefficient $C=1,25$

Evaluated characteristics in accordance with national requirements

Characteristics	Requirement to declare / border level
Appearance	Smooth and clean surface without pores, according item 5.1. of BDS EN 12201-2:2011+A1:2013 BDS EN 12201-2:2011+A1:2013/NA:2014
Colour	colour black with blue strips
Geometrical characteristics, mm	Group 1: $dn \leq 75$ mm Group 2: $75 \leq dn \leq 250$ mm Group 3: $250 \leq dn \leq 710$ mm Group 4: $710 \leq dn \leq 1200$ mm according item 6, tabl.1,2 of BDS EN 12201-2:2011+A1:2013 BDS EN 12201-2:2011+A1:2013/NA:2014
Hydrostatic strength, (20 °C/100/ h 80 °C/165 h)	no leaks and punctures over 100/ 165 h according item 7, tabl.3 of BDS EN 12201-2:2011+A1:2013 BDS EN 12201-2:2011+A1:2013/NA:2014
Elongation at break, %	> 350 % according item 8, tabl.3 of BDS EN 12201-2:2011+A1:2013 BDS EN 12201-2:2011+A1:2013/NA:2014
Melt mass - flow rate (MFR), g/10min 190°C, 5 kg	± 20 % between MFR the raw material and the pipe according item 8, tabl. 5 of BDS EN 12201-2:2011+A1:2013 BDS EN 12201-2:2011+A1:2013/NA:2014
Oxidation time (OIT), min	> 20 min according item 8, tabl.5 of BDS EN 12201-2:2011+A1:2013 BDS EN 12201-2:2011+A1:2013/NA:2014

Place: Sofia
Date: 29/05/2020

Director of "Conformity Assessment" Dept.
/T. Lyubenova/

