



BULGARKONTROLA S.A.

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

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CERTIFICATE OF CONFORMITY

14 – HYPBCIICPБ – 3412

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**

FABRICATED FITTINGS MADE OF PIPES OF POLYETHYLENE HIGE DENSITY HDPE 100/ HDPE 100RC

are designed for construction of drinking water supply systems outside buildings, with product range, 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 12201-3:2011+A1:2013

BDS EN 12201-3:2011+A1:2013/NA:2014

*and item 8 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-HYPBCIICPБ-2446 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.

[Signature]
/T. Lyubenova/

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



1. Product range, dimensions and operating pressure

Product range	dimensions Dn (mm)	PN bar	SDR
Segmented elbow 30°	90 ÷ 1200	6	26
	90 ÷ 1200	10	17
	90 ÷ 630	16	11
Segmented elbow 45°	90 ÷ 1200	6	26
	90 ÷ 1200	10	17
	90 ÷ 710	16	11
Segmented elbow 60°	90 ÷ 1200	6	26
	90 ÷ 1200	10	17
	90 ÷ 710	16	11
Segmented elbow 90°	90 ÷ 1200	6	26
	90 ÷ 1200	10	17
	90 ÷ 710	16	11
Segmented tee 90°	90 ÷ 1200	6	26
	90 ÷ 1200	10	17
	90 ÷ 710	16	11
Segmented tee 45°	90 ÷ 800	6	26
	90 ÷ 800	10	17
	90 ÷ 710	16	11
Segmented cross	90 ÷ 630	6	26
	90 ÷ 630	10	17
	90 ÷ 630	16	11

Place: Sofia
Date: 29/05/2020

Director of "Conformity Assessment" Dept.



/T. Lyubenova/



2. 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 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Colour	colour black
Geometrical characteristics, mm	according item 6, tabl.3 and tabl. B2 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Hydrostatic strength, (20 °C/100/ h 80 °C/165 h)	no leaks and punctures over 100/ 165 h according item Annex B, tabl.B1 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+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. 7 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Oxidation time (OIT), min	> 20 min according item 8, tabl. 7 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-3:2011+A1:2013/NA:2014
Tensile strength of butt fusion, N/mm ²	Tensile strength / ductile according item Annex B, tabl.B1 of BDS EN 12201-3:2011+A1:2013 BDS EN 12201-32:2011+A1:2013/NA:2014

Place: Sofia

Date: 29/05/2020

Director of "Conformity Assessment" Dept.

/T. Lyubenova/

