DIN CERTCO
Gesellschaft für Konformitätsbewertung mbH

CERTIFICATE

Certificate holder	**Konti Hidroplast** **Ul. Industriska B.B.** **1480 Gevgelija** **NORTH MACEDONIA**
Production facility	Gevgelija, Republic of Macedonia
Product	Pressure pipes made from Polyethylene (PE) for alternative installation techniques - PE 100-RC
Classification	EG 926.1, Outer diameter up to 63 mm, Type 2 2L
Type, Model	KONTI HIDROPLAST PE100/100RC
Remarks to the type	PAS 1075 Type 2 2L - TW / Basis EN 12201-2
Testing basis	PAS 1075:2009-04 Certification Scheme Plastic Piping Systems (Pressure Pipes and Fittings) (2017-05)
Mark of conformity	
Registration No.	P1R0645
Valid until	2028-06-30
Right of use	This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number. See annex for further information.

Digitally signed by Mereacre Dan
Date: 2025.02.05 15:03:32 EET
Reason: MoldSign Signature
Location: Moldova
MOLDOVA EUROPEANĂ

2023-06-20

Dr. Ina Förster
Certification Body

GESELLSCHAFT FÜR KONFORMITÄTSBEWERTUNG MBH
DIN CERTCO

DIN CERTCO
Gesellschaft für Konformitätsbewertung mbH

ANNEX

Certificate

P1R0645 dated 2023-06-20

Technical Data

PAS 1075 Type 2 2L - TW
Basis EN 12201-2

Outer diameter up to 63 mm, SDR 11 and SDR 17
Minimum wall thickness: 3,0 mm

Material: PE 100-RC

Type: see production facility related material list

Colour:
Inner pipe: black
Outer layer: royal blue

DW-8138CQ0016

Operating over pressure burstlining: see Certification Scheme Plastic piping systems (Pressure pipes and fittings)(2017-05) Annex O 14

Testing laboratory/ Inspection body

Hessel Ingenieurtechnik GmbH
Am Münsterwald 3
52159 Roetgen
GERMANY

Test report(s)

R22 06 4236-A_2NCT+ dated 2022-06-20
R22 06 4236-A_PLT+ dated 2022-06-20

DIN CERTCO
Gesellschaft für Konformitätsbewertung mbH

CERTIFICATE

Certificate holder	**Konti Hidroplast** **Ul. Industriska B.B.** **1480 Gevgelija** **NORTH MACEDONIA**
Production facility	Gevgelija, Republic of Macedonia
Product	Pressure pipes made from Polyethylene (PE) for alternative installation techniques - PE 100-RC
Classification	EG 926.2, Outer diameter 75 mm up to 225 mm, Type 2 3L
Type, Model	PE-HD-Rohr "Konti"
Remarks to the type	PAS 1075 Type 2 3L - TW / Basis EN 12201-2
Testing basis	PAS 1075:2009-04 Certification Scheme Plastic Piping Systems (Pressure Pipes and Fittings) (2017-05)
Mark of conformity	DIN plus
Registration No.	P1R0646
Valid until	2028-06-30
Right of use	This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number. See annex for further information.

2023-06-20

Dr. Ina Förster
Certification Body

GESELLSCHAFT FÜR KONFORMITÄTSBEWERTUNG MBH
DIN CERTCO

DIN

DIN CERTCO
Gesellschaft für Konformitätsbewertung mbH

ANNEX

Certificate	P1R0646 dated 2023-06-20
Technical Data	PAS 1075 Type 2 3L - TW Basis EN 12201-2 Outer diameter 75 mm up to 225 mm, SDR 11 and SDR 17 Minimum wall thickness: 10,0 mm Material: PE 100-RC Type: see production facility related material list Colour: Inner pipe: black Middle layer: royal blue Outer pipe: black DW-8143C00244 Operating over pressure burstlining: see Certification Scheme Plastic piping systems (Pressure pipes and fittings)(2017-05) Annex O 14
Testing laboratory/ Inspection body	Hessel Ingenieurtechnik GmbH Am Münsterwald 3 52159 Roetgen GERMANY
Test report(s)	R22 06 4236-C_ACT dated 2022-06-20 R22 06 4236-C_PLT+ dated 2022-06-20

KONTI HIDROPLAST
1480 Gevgelija, str: "Industriska" bb,
Republic of North Macedonia
00 389 34 212 064; 211 757
fax: 00 389 34 211 964

quality austria SYSTEM CERTIFIED ISO 9001:2008 No. 01442/0 ISO 14001:2004 No. 00211/0

MANUFACTURER OF POLYETHYLENE AND POLYPROPYLENE PIPES AND MOULDED ACCESSORIES

ACC.Number: 210701000149870 | **IBAN CODE:** MK07210701000149870 | **SWIFT:**TUTNMK22 Tutunska Bank AD Skopje

TEST REPORT OF PIPE TESTING 3.1 ACC. EN 10204

F 8.5.08

TECHNICAL-TECHNOLOGICAL LABORATORY OF KONTI HIDROPLAST NORTH MACEDONIA

Product: Polyethylene pressure pipe PE100-RC Type 2	***Ø 63 PN 10***
Type of pipe:	Water supply
Work sheet / Date of production:	24-6H32-000656 / 15.11.2024
Raw material outside layer	HDPE 100
Raw material inside layer	HDPE 100-RC
Quantity	_ m
STAMP	**KONTI HIDROPLAST POTABLE WATER SDR17 Ø63×3.8 PN10 PE100 RC TYPE2 PAS1075 EN12201-2 W 11 24 32 656**

RESULTS

EXAMING OF:	Norm	Method	Unit	Limit	Result
MFR material outside layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*0.2 - 1.5*	*0,24*
MFR of pipe outside layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*< ±20% than MFR of raw material*	*0,23*
MFR material inside layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*0.2 - 1.5*	*0,22*
MFR of pipe inside layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*< ±20% than MFR of raw material*	*0,22*
Longitudinal reversion	EN ISO 2505	Oven / 110°C	%	*≤ 3*	*1,17*
Dimension control: Ø	ISO 3126	23 ± 1°C	mm	*63,0 - 63,4*	*63,2 - 63,3*
Dimension control: S	ISO 3126	23 ± 1°C	mm	*3,8 - 4,3*	*4,0 - 4,2*
Ovality	ISO 3126	23 ± 1°C	mm	*1,5*	*0,5*
Hidrostatic strength	EN ISO 1167	80°C / 165h σ=5.4 MPa	h	*≥ 165*	*180+*
Elongation at break, tensile properties	EN ISO 6259	Type 2	%	*≥ 350*	*500+*
Oxidation induction time (OIT)	ISO 11357-6	210 °C	min	≥ 10min @210°C	28

Konti Hidroplast
Gevgelija

Date
16.1.2025

Responsible for quality control
Gordana Manoleva

Commercialist
Dijana Chochkova

KONTI HIDROPLAST
1480 Gevgelija, str: "Industriska" bb,
Republic of North Macedonia
00 389 34 212 064; 211 757
fax: 00 389 34 211 964

MANUFACTURER OF POLYETHYLENE AND POLYPROPYLENE PIPES AND MOULDED ACCESSORIES

ACC.Number: 210701000149870 | **IBAN CODE:** MK07210701000149870 | **SWIFT:**TUTNMK22 Tutunska Bank AD Skopje

TEST REPORT OF PIPE TESTING 3.1 ACC. EN 10204

F 8.5.08

TECHNICAL-TECHNOLOGICAL LABORATORY OF KONTI HIDROPLAST NORTH MACEDONIA

Product: Polyethylene pressure pipe PE100-RC Type 2 triple layer	***Ø 75 PN 10***
Type of pipe:	Water supply
Work sheet / Date of production:	24-6H04-000622 / 02.12.2024
Raw material outside/inside layer:	HDPE 100-RC
Raw material middle layer:	HDPE 100
Quantity	__ m
STAMP	**KONTI HIDROPLAST POTABLE WATER SDR17 Ø75×4,5 PN10 PE100 RC TYPE2 PAS1075 EN12201-2 W 12 24 04 622**

RESULTS

EXAMING OF:	Norm	Method	Unit	Limit	Result
MFR material outside/inside layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*0.2 - 1.5*	*0,23*
MFR of pipe outside/inside layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*< ±20% than MFR of raw material*	*0,24*
MFR material middle layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*0.2 - 1.5*	*0,25*
MFR of pipe middle layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*< ±20% than MFR of raw material*	*0,25*
Longitudinal reversion	EN ISO 2505	Oven / 110°C	%	*≤ 3*	*1,13*
Dimension control: Ø	ISO 3126	23 ± 1°C	mm	*75,0 - 75,5*	*75,3 - 75,4*
Dimension control: S	ISO 3126	23 ± 1°C	mm	*4,5 - 5,1*	*4,7 - 5,0*
Ovality	ISO 3126	23 ± 1°C	mm	*1,6*	*0,6*
Hidrostatic strength	EN ISO 1167	80°C / 165h σ=5.4 MPa	h	*≥ 165*	*180+*
Elongation at break, tensile properties	EN ISO 6259	Type 2	%	*≥ 350*	*500+*
Oxidation induction time (OIT)	ISO 11357-6	210 °C	min	≥ 10min @210°C	25

Konti Hidroplast
Gevgelija

Responsible for quality control
Gordana Manoleva

Date
17.1.2025

Commercialist
Dijana Chochkova

KONTI HIDROPLAST
1480 Gevgelija, str: "Industriska" bb,
Republic of North Macedonia
00 389 34 212 064; 211 757
fax: 00 389 34 211 964

MANUFACTURER OF POLYETHYLENE AND POLYPROPYLENE PIPES AND MOULDED ACCESSORIES

ACC.Number: 210701000149870 | **IBAN CODE:** MK07210701000149870 | **SWIFT:**TUTNMK22 Tutunska Bank AD Skopje

TEST REPORT OF PIPE TESTING 3.1 ACC. EN 10204

F 8.5.08

TECHNICAL-TECHNOLOGICAL LABORATORY OF KONTI HIDROPLAST NORTH MACEDONIA

Product: Polyethylene pressure pipe PE100-RC Type 2 triple layer	***Ø 90 PN 16***
Type of pipe:	Water supply
Work sheet / Date of production:	24-6H04-000626 / 02.12.2024
Raw material outside/inside layer:	HDPE 100-RC
Raw material middle layer:	HDPE 100
Quantity	__ m
STAMP	**KONTI HIDROPLAST POTABLE WATER SDR11 Ø90×8,2 PN16 PE100 RC TYPE2 PAS1075 EN12201-2 W 12 24 04 626**

RESULTS

EXAMING OF:	Norm	Method	Unit	Limit	Result
MFR material outside/inside layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*0.2 - 1.5*	*0,23*
MFR of pipe outside/inside layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*< ±20% than MFR of raw material*	*0,24*
MFR material middle layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*0.2 - 1.5*	*0,25*
MFR of pipe middle layer	EN ISO 1133-1	190°C / 5kg	g / 10 min	*< ±20% than MFR of raw material*	*0,24*
Longitudinal reversion	EN ISO 2505	Oven / 110°C	%	*≤ 3*	*1,10*
Dimension control: Ø	ISO 3126	23 ± 1°C	mm	*90,0 - 90,6*	*90,3 - 90,4*
Dimension control: S	ISO 3126	23 ± 1°C	mm	*8,2 - 9,2*	*8,4 - 8,8*
Ovality	ISO 3126	23 ± 1°C	mm	*1,8*	*1,0*
Hidrostatic strength	EN ISO 1167	80°C / 165h σ=5.4 MPa	h	*≥ 165*	*180+*
Elongation at break, tensile properties	EN ISO 6259	Type 1	%	*≥ 350*	*500+*
Oxidation induction time (OIT)	ISO 11357-6	210 °C	min	≥ 10min @210°C	27

Konti Hidroplast
Gevgelija

Responsible for quality control
Gordana Manoleva

Date
17.1.2025

Commercialist
Dijana Chochkova