



BENOR

BCCA

BENOR CERTIFICATE

issued on the basis of the provisions of the Implementation Rules for BENOR certification of thermoplastic pipes and accessories, TRA BB 651, to the company

Deschacht Plastics Belgium nv

Antwerpsesteenweg 1068, BE - 9041 Oostakker,

for the production of

PE-pipes for water supply, drainage and sewerage under pressure, size group 1 (16-63 mm), 2 (75-225mm), 3 (250-630 mm) and 4 (710-1800 mm)

manufactured in the production unit

Kaczmarek Malewo Spółka Jawna

Malewo 1, PL - 63-800 Gostyn,

in accordance with the

NBN EN 12201-2:2024 "Plastics piping systems for water supply, and for drainage and sewerage under pressure - Polyethylene (PE)" and the PTV 1002:2025

By issuing the certificate, BCCA declares that, on the basis of (I) the initial assessment of the product characteristics by means of testing; (II) the initial evaluation and acceptance of the quality assurance in production; (III) the regular external control of the implementation of the quality assurance processes and the control schemes agreed upon; (IV) regular control tests in a recognised external laboratory, sufficient confidence can be given to the measures taken by the certificate holder for guaranteeing conformity with the prescriptions.

The annex to this certificate gives the data with regard to the certified product. This document is an annex to the certificate and is authenticated by BCCA.

Following the issuing of this certificate and as long as it is maintained valid, BCCA grants the right to use the BENOR mark to the certificate holder. The proof of delivery of a product under the BENOR mark is given by a suitable identification on the product. The use of the BENOR mark does not relieve the certificate holder of his responsibilities with regard to the delivered product.

The validity of this certificate can be checked via www.bcca.be.

N° certificate BB-651-4146-12201P-D1-2-3-4-4605-44830 | Valid from 2025-11-09 until 2028-11-08

Issued in Brussels, on 19 January 2026.


Olivier DELBROUCK
General Manager

The BENOR mark is a registered collective mark, that is the property of the Bureau for standardisation (NBN). The BENOR certification is a voluntary system that is established on the basis of a consensus between stakeholders and is a response on the request of the user to have sufficient certainty about the aspects with regard to, ex., quality, public security, suitability for use, health and the interests of the end users.

The validity of this certificate can be checked on the website www.bcca.be.

Further clarification regarding the scope of this certificate and the applicability of the requirements of the standard may be obtained from the certified organisation.

ASBL BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION VZW

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PE-pipes for water supply, drainage and sewerage under pressure, size group 1 (16-63 mm), 2 (75-225mm), 3 (250-630 mm) and 4 (710-1800 mm)

HDPE pressure pipes for water for human consumption and sewer and drainage

Types which are part of this certificate

- Black pipes with blue (water for human consumption) or red brown (sewer and drainage) lines
- Nominal pressure (PN) based on design coefficient C = 1,25
- PE 100

Nominal outside diameter (mm)		Wall thickness S5/SDR11/PN 16 Min- max (mm)	Wall thickness S8/SDR17/PN10 Min-max (mm)
Size group 1	16	-	-
	20	2,0-2,3	-
	25	2,3-2,7	-
	32	3,0-3,4	2,0-2,3
	40	3,7-4,2	2,4-2,8
	50	4,6-5,2	3,0-3,4
	63	5,8-6,5	3,8-4,3
Size group 2	75	6,8-7,6	4,5-5,1
	90	8,2-9,2	5,4-6,1
	110	10,0-11,1	6,6-7,4
	125	11,4-12,7	7,4-8,3
	140	12,7-14,1	8,3-9,3
	160	14,6-16,2	9,5-10,6
	180	16,4-18,2	10,7-11,9
	200	18,2-20,2	11,9-13,2
	225	20,5-22,7	13,4-14,9
Size group 3	250	22,7-25,1	14,8-16,4
	280	25,4-28,1	16,16-18,4
	315	28,6-31,6	18,7-20,7
	355	32,2-35,6	21,1-23,4
	400	36,3-40,1	23,7-26,2
	450	40,9-45,1	26,7-29,5
	500	45,4-50,1	29,7-32,8
	560	50,8-56,0	33,2-36,7
	630	57,2-63,1	37,4-41,3
Size group 4	710	64,5-71,1	42,1-46,5
	800	72,6-80,0	47,4-52,3
	900	81,7-90,0	53,3-58,8
	1000	90,8-100,0	59,3-65,4

Marking:

Kaczmarek PN-EN 12201 – BENOR –DRINKWATER – EAU POTABLE – HDPE 100 – diameter x wall thickness – PN16 of PN 10 – SDR 11 of SDR 17 – W of P* – production date

3304 KACZMAREK PN-EN 12201 (BENOR) DRINK WATER EAU POTABLE WODA HDPE 100 9 0 x 8 , 2 PN16 SDR11 W 005 1 3 3 0 2 7 0 1 2 4 KDW nr 4 6 / 5 8 3 1 2

*W: water for human consumption

*P: sewer and drainage under pressure

This annex is valid as long as the BENOR certificate remains valid.

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Olivier DELBROUCK
General Manager