



BUILDING RESEARCH INSTITUTE - NISI
CONFORMITY ASSESSMENT BODY FOR CONSTRUCTION PRODUCTS
Licence granted by Ministry of Development and Public Works (MRRB) № ПООСП 07 from 15.09.2016
Registration number **07** from the register of MRRB

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**CERTIFICATE
OF CONFORMITY**

No 07-HYPBCIIICPB-25.8



Issued according to Article 14, paragraph 1 and/or 2 of the Ordinance No ПД-02-20-1/05.02.2015 on the terms and conditions for use of construction products in the construction of the Republic of Bulgaria (HYPBCIIICPB) of the Ministry of Regional Development and Public Works for

PLASTIC PIPES and FITTINGS
high density polyethylene (PE-HD) and polypropylene (PP)
with structured design of the wall (smooth inner and profiled outer surface),
trademark GOFRI KAN

FOR NON-PRESSURE UNDERGROUND DRAINAGE AND SEWERAGE SYSTEMS, TYPE B,
INTENDED TO BE USED BURIED UNDERGROUND BOTH OUTSIDE AND IN THE BUILDINGS,

Nominal dimensions $110 \leq \text{DN/OD} \leq 400 \text{ mm}$ and $150 \leq \text{DN/ID} \leq 600 \text{ mm}$,
Ring stiffness classes SN 2, SN 4, SN 8, SN 16

Pipe range and dimensions according to Annex 1 and
declared performance according to Annex 2 of this certificate

placed on the market by

PLASTEC OOD

14 Woodrow Wilson Str., Plovdiv, Bulgaria

and produced at

the factory of **PLASTEC OOD**

14 Woodrow Wilson Str., Plovdiv, Bulgaria

This certificate attests that the products have been assessed according to
BDS EN 13476-3:2018+A1:2020; BDS EN 13476-3:2018+A1:2020/NA:2021

and they meet the national requirements set out in

Order No ПД-02-14-1329/03.12.2015

of the Minister of Regional Development and Public Works, Item 12 of Annex 2 to Clause 2.

This certificate is first issued on 29th August 2025 and will remain valid to 28th August 2028 provided that the manufacturer ensures the consistency of performance of the products and that the conditions of the production and production control are not significantly modified.

Head of the CAB

Res.Assoc. Eng. Victoria Vassileva, Ph.D.

General Manager of NISI Ltd

Maya Koseva



Sofia, 29th August 2025

This Certificate includes two annexes of a total of 2 pages which are an integral part of it.

RANGE AND DIMENSIONS of PLASTIC PIPES and FITTINGS
of high density polyethylene (PE-HD) and polypropylene (PP)
trademark GOFRI KAN, produced by PLASTEC OOD and included in the scope of the certificate

Dimensions and ring stiffness for polyethylene (PE-HD) pipes

<i>Mean outside/inside diameter DN/OD and DN/ID (mm)</i>	<i>Ring stiffness (Clause 9.1.1 of BDS EN 13476-3)</i>
OD: 110; 125; 160; 200; 315; 400	SN 4; SN 8; SN 16
ID: 150; 200; 250; 300; 400; 500; 600	SN 2; SN 4; SN 8; SN 16

Dimensions and ring stiffness for polypropylene (PP) pipes

<i>Mean outside/inside diameter DN/OD and DN/ID (mm)</i>	<i>Ring stiffness (Clause 9.1.1 of BDS EN 13476-3)</i>
OD: 160; 200; 315; 400	SN 4; SN 8; SN 16
ID: 150; 200; 250; 300; 400; 500; 600	SN 2; SN 4; SN 8; SN 16

Groups, types and dimensions of (PE-HD) and (PP) fittings for pipes GOFRI KAN

<i>Types fittings</i>	<i>Mean outside/inside diameter DN/OD and DN/ID (mm)</i>
Elbow 90° Bends 15°, 30°, 45°, 60°	DN 110 to DN 600 DN 110 to DN 600
Branch 30°, 45°, 60° Branch – reducer 30°, 45°, 60° Tees 90° Tee – reducers 90°	DN110 ÷ 600 / DN110 ÷ 600 DN110-600 / DN110 ÷ 600 DN110 ÷ 600 / DN110 ÷ 600 DN110 ÷ 600 / DN110 ÷ 600
Socket /coupler/ Coupler sleeve Adaptor Reducer End caps Others	OD110 ÷ OD400; ID150 ÷ ID 600 OD110 ÷ OD400; ID150 ÷ ID 600 DN 110 to DN 600 DN 110 to DN 600 OD110 ÷ OD400; ID150 ÷ ID 600 OD110 ÷ OD600; ID150 ÷ ID 600

Continued



DECLARED PERFORMANCE

of high density polyethylene (PE-HD) and polypropylene (PP) pipes and fittings
trademark **GOFRI KAN**, produced by **PLASTEC OOD** and included in the scope of the certificate

Characteristic	Test method	Performance	
		Dimension group $110 \leq DN/OD \leq 400 \text{ mm}$ Ring stiffness class <i>SN 4, SN 8, SN 16</i>	Dimension group $150 \leq DN/ID \leq 600 \text{ mm}$ Ring stiffness class <i>SN 2; SN 4, SN 8, SN 16</i>
Appearance and color	Visually	Confirm to Clause 6 of BDS EN 13476-1 PE-HD: black outside, green inside; PP: brown outside, light grey/dusty grey inside	Confirm to Clause 6 of BDS EN 13476-1 PE-HD: black outside, yellow inside; PP: brown outside, light grey/dusty grey inside
Geometrical characteristics - Mean outside diameter - Mean inside diameter - Wall thickness	BDS EN ISO 3126	Conform to the threshold levels according to the Tables 5, 6 and Clause 7.2 of BDS EN 13476 -3: 2018+A1:2020	Conform to the threshold levels according to the Tables 5, 6 and Clause 7.2 of BDS EN 13476 -3: 2018+A1:2020
Impact strength 0°C (Round the clock method)	BDS EN ISO 3127	$TIR \leq 10 \%$	$TIR \leq 10 \%$
Ring stiffness, SN	BDS EN ISO 9969	$\geq 4 \text{ kN/m}^2$ (for SN 4) $\geq 8 \text{ kN/m}^2$ (for SN 8) $\geq 16 \text{ kN/m}^2$ (for SN 16)	$\geq 2 \text{ kN/m}^2$ (for SN 2) $\geq 4 \text{ kN/m}^2$ (for SN 4) $\geq 8 \text{ kN/m}^2$ (for SN 8) $\geq 16 \text{ kN/m}^2$ (for SN 16)
Ring flexibility	BDS EN ISO 13968	No delamination, cracking in wall structure and permanent buckling according to Clause 9.1.2 of BDS EN 13476-3:2018+A1:2020	No delamination, cracking in wall structure and permanent buckling according to Clause 9.1.2 of BDS EN 13476-3:2018+A1:2020
Resistance to heating (Oven test)	BDS ISO 12091:2017	No delamination, cracks and bubbles according to Table 12 of BDS EN 13476-3:2018+A1:2020	No delamination, cracks and bubbles according to Table 12 of BDS EN 13476-3:2018+A1:2020
Watertightness (for fabricated fittings made from more than one piece)	BDS EN ISO 13254	No leakage	No leakage

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