

NATIONAL DECLARATION OF PERFORMANCE

Nr 031/4

1. Name and trade name of the construction product:

PVC-U structured wall pipe

2. Designation of the type of construction product:

Typ A, SN4, PVC-U

3. Intended use or uses:

For underground non-pressurized drainage and sewerage outside the building structure and inside the building structure - application area „UD

4. Name and address of the manufacturer's registered office and place of production of the product:

Magnaplast Sp. z o.o., Sieniawa Żarska 69, 68-213 Lipinki Łużyckie

5. Name and address of the registered office of the authorized representative, if appointed:

NOT APPLICABLE

6. National system used for assessment and verification of constancy of performance:

conformity assessment system: 4

7. National technical specification:

7a. Polish Product Standard:

Polish Standard PN-EN 13476-2+A1:2020-12, PN-EN 13476-2+A1:2020-12/Am1:2022-05

Plastic piping systems for non-pressurized underground sewage.

Structured-wall pipe systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE). Part 2: Specifications for pipes and fittings with smooth internal and external surfaces and the system, type A

Name of the accredited certification body, accreditation number and national certificate number or name of the accredited laboratory/laboratories and accreditation number:

NOT APPLICABLE

7b. National Technical Assessment:

NOT APPLICABLE

Technical Assessment Body/National Technical Assessment Body:

NOT APPLICABLE

Name of Accredited Certification Body, Accreditation Number and Certificate Number:

NOT APPLICABLE



8. Declared performance properties:

Essential characteristics of the construction product for the intended use or uses	Declared performance properties	Remarks
PVC content	PVC \geq 80%,	
Internal pressure resistance	No damage during testing	
Appearance	The inner and outer surface is smooth without any inhomogeneities	
Color	Orange-brown, uniform in shade, any color of the middle layer	
Dimensions (declared wall thickness)	DN/OD 110x3,2 mm, DN/OD 160x4,7 mm, DN/OD 200x5,9 mm, DN/OD 250x7,3 mm, DN/OD 315x9,2 mm, DN/OD 400x11,7 mm, DN/OD 500x14,6 mm	
Mechanical properties	Ring stiffness: SN \geq 8 kN/m ² for SN8 pipes	
	Circumferential elasticity 30: During the test: no drop in the measured force and no cracks in any part of the pipe wall structure, After the test: no delamination of the wall except for possible delamination between the outer and inner walls of a double-walled pipe, occurring in the area of the limited weld zone at the ends of the test specimen, no other type of damage, no permanent buckling, including concavities and convexities.	
	Impact strength at 0°C (falling weight method) - TIR \leq 10	
Physical properties	Vicat softening temperature: (VST) \geq 79°C	
	Longitudinal shrinkage \leq 5%: no delamination, blistering or cracking	
	Dichloromethane resistance at a specified temperature: no effect	
Tightness	Tightness of connections with elastomeric sealing ring: no leakage	
	Resistance to cyclic action of elevated temperature: no leakage	
	Resistance to simultaneous cyclic action of temperature changes and external load: no leakage, meets	

9. The performance of the product specified above is consistent with all declared performance properties listed in point 8. This national declaration of performance is issued in accordance with the Act of 16 April 2004 on products under the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer by:

Nataliya Choptowa – Export Manager

.....
(name, surname and position)

Sieniawa Żarska 10.06.2024

.....
(place and date of issue)

A handwritten signature in black ink, appearing to read 'N. Choptowa', is written over a blue circular stamp. The stamp contains the text 'MAGNAPLAST' and 'lost' in a circular arrangement.

.....
(signature of authorized person)

* update of KDWU No. 031/4 of 07/11/2022



CERTIFICATE OF CONFORMITY NO. CZ/2128/V/2023

ISSUED IN ACCORDANCE WITH PRODUCT CERTIFICATION SCHEME NO. PCDW-01

NAME AND ADDRESS OF THE
CERTIFICATE HOLDER: „MAGNAPLAST” Sp. z o.o., 68-213 Lipinki Łużyckie, Sieniawa Żarska 69

NAME AND ADDRESS OF THE
MANUFACTURER: „MAGNAPLAST” Sp. z o.o., 68-213 Lipinki Łużyckie, Sieniawa Żarska 69

PRODUCT NAME: KG pipes for non-pressure external sewerage systems made of unsoftened poly(vinyl chloride) (PVC-U) with structured walls

TYPE (VERSIONS): type A, nominal diameters DN 110÷500 [mm]

ICS CODE: 23.040

INTENDED USE: For non-pressurised, underground drainage and sewerage, under and outside building structures.
Application area symbol "UD"

BASIC PARAMETERS: Other parameters according to the documentation listed on page 2 of the certificate

PRODUCT MEETS THE
REQUIREMENTS OF: PN-EN 13476-2:2020-12 "Plastics piping systems for non-pressure underground drainage and sewerage Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE). Part 2: Specifications for pipes and fittings with smooth internal and external surfaces and system, type A"

IN ACCORDANCE WITH THE
DOCUMENTATION AND TEST
REPORTS:

According to the list on page 2 of the certificate

The certificate is valid for the period from **13 March 2023** to **12 March 2026**, and applies only to specimens of the product having identical characteristics (parameters) to the specimen(s) submitted for testing and conforming to the requirements set out above.

This certificate does not cover the requirements of any legislation or standards other than those mentioned above which may apply to this product

Główny Instytut Górnictwa
Jednostka Oceny Zgodności
KIEROWNIK
Zespołu ds. Certyfikacji
mgr inż. Grzegorz Drabik



Główny Instytut Górnictwa
KIEROWNIK
Jednostka Oceny Zgodności
dr inż. Dariusz Stefaniak

Mikołów, 16 February 2023.

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CERTIFICATE OF CONFORMITY NO. CZ/2128/V/2023

Reference documentation:

1. Documentation provided by the Supplier:

- 1.1. "External KG sewerage manual" containing, among other things, information on the application, design, storage and assembly, a set of drawings of PVC-U pipes and fittings. Issued by "MAGNAPLAST" Sp. z o.o., 68-213 Lipinki Łużyckie, Sieniawa Żarska 69.
- 1.2. Technical documentation for PVC-U solid and foam core sewer pipes. DT/01/20 dated March 2020. Prepared by "MAGNAPLAST" Sp. z o.o., 68-213 Lipinki Łużyckie, Sieniawa Żarska 69.

2. Test documentation used as part of the conformity assessment:

- 2.1. Report no. GT/44/2022 "LITE PVC 110 SN8 pipes and structural pipes PN 110 SN8 and DN160 SN4". Łukasiewicz Research Network – Institute of Polymer Materials and Dyes Engineering 87-100 Toruń ul. M. Skłodowskiej-Curie 55 Centre for Paints and Plastics 44-100 Gliwice, ul. Chorzowska 50 A - Polymer Plastics Research Laboratory.

3. Other documents used in the conformity assessment process:

- 3.1. Certificate of compliance no. CZ/2128/IV/2020 of 13.03.2020 issued for the product KG pipes for non-pressure external sewerage from unsoftened poly(vinyl chloride) (PVC-U) with structural walls of nominal diameter DN 110÷500 [mm], type A, produced by "MAGNAPLAST" Sp. z o.o., 68-213 Lipinki Łużyckie, Sieniawa Żarska 69, by Central Mining Institute in Katowice - Conformity Assessment Body.