

NATIONAL DECLARATION OF PERFORMANCE

Nr 017/2

1. Name and trade name of the construction product:

PVC-U fittings

2. Designation of the type of construction product:

SDR41, PVC-U, UD

3. Intended use or uses:

For underground non-pressure drainage and sewerage under building structures and outside them:
area of application 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
Sieniawa Żarska Plant, Emstek Plant, Germany

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:

PN-EN 1401-1+A1:2023-09

Plastic piping systems for non-pressure underground sewage - Unplasticized poly(vinyl chloride) (PVC-U) -- Part 1:
Specifications for pipes, fittings and system.

Name of accredited certification body, accreditation number and national certificate number or name of 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	≥ 85%,	
Internal pressure resistance	No damage during testing	
Appearance	The inner and outer surfaces of the fittings are smooth, free from bubbles, impurities, pores, the ends of the fittings are perpendicular to the axis	
Color	Shapes colored throughout the entire cross-section of the wall	
Geometric features	According to the marking on the product: DN110, DN160, DN200, DN250, DN315, DN400, DN500 KGB elbows 15°, 30°, 45°, 67° and 87° KGEA tees 45° and 87° KGM plugs, KGK end caps, KGU double-socket sliding connectors (sleeves), KG-ERMM double-socket connectors, KGR reductions and multi-stage reductions, KGUS connectors for stoneware pipes, KGUG connectors for cast iron pipes KGRE cleanouts	
Mechanical properties	Ring stiffness: SN ≥ 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 ≤ 10	
Physical properties	Vicat softening temperature (VST) ≥ 79°C	
	Changes due to heating: - within a radius of 15 times the wall thickness around the point gate(s), the depth of cracks, delaminations or blisters shall not exceed 50% of the wall thickness at that point - within a distance of 10 times the wall thickness from the membrane gate, the depth of cracks, delaminations or blisters shall not exceed 50% of the wall thickness at that point - within a distance of 10 times the wall thickness from the ring gate, the length of cracks shall not exceed 50% of the wall thickness at that point - the joint line of the streams shall not have an opening of more than 50% of the wall thickness at	

	that line - in all other parts of the surface, the depth of cracks and delaminations shall not exceed 30% of the wall thickness at that point. Blisters should not be longer than 10 times the wall thickness - after cutting, the cut surfaces viewed without magnification should not have any foreign inclusions	
	Water tightness: no leaks	
	Tightness of connections with elastomeric sealing ring: no leaks when tested with water, tight at negative air pressure (permissible change of negative pressure 0.03 bar)	
Tightness	Resistance to cyclic action of elevated temperature: no leakage	

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)



.....
(signature of authorized person)



CERTIFICATE OF CONFORMITY NO. CZ/692/VII/2022

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: PVC-U fittings for external drainage networks

TYPE (VERSIONS): Fittings with nominal diameter DN 110 ÷ 315 [mm].

ICS CODE: 93.030

INTENDED USE: For non-pressurised, underground drainage and sewerage, used 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 1401-1:2019-07 "Plastics piping systems for non-pressure underground drainage and sewerage. Unplasticised poly(vinyl chloride) (PVC-U). Part 1: Specifications for pipes, fittings and the system"

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 **22 November 2022** to **21 November 2025**, 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
Jednostka Oceny Zgodności
KIEROWNIK
dr inż. Dariusz Stefaniak

Mikołów, 22 November 2022.

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Reference documentation:

1. Documentation provided by the Supplier:

- 1.1. "External KG sewerage manual" (catalogue) 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 sewer fittings DT/07/22 dated July 2022. 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. Test report no. BL-5/22-104 "Tests of KG fittings made of PVC-U according to the requirements of standard N-EN 1401-1:2019-07". Central Mining Institute (GIG) in Katowice, Poland, Group of Research and Calibration Laboratories of GIG - Central Testing Laboratory for Plastic Pipes. Katowice, 16.11.2022.

3. Other documents used in the conformity assessment process:

- 3.1. Certificate of Conformity No. CZ/692/VI/2019 dated 14.11.2019 issued for the product Fittings from PVC-U for external sewage networks with nominal diameter DN 110 ÷ 315 mm, manufactured by MAGNAPLAST Sp. z o.o., 68-213 Lipinki Łużyckie, Sieniawa Żarska 69, by the Central Mining Institute in Katowice – Conformity Assessment Body.

