

NATIONAL DECLARATION OF PERFORMANCE

No. 1/RJ/23

1. Name and trade name of the construction product:

PVC-U pipes for water supply and for buried and above-ground drainage and sewerage under pressure

2. Designation of construction product type:

a) **PN 6, PN 8, PN 10, PN 12.5, PN 16, PN 20 – PVC-U pressure pipes, type 100 in the diameter range from Ø 20 to Ø 90 mm**

b) **PN 6, PN 8, PN 10, PN 12.5, PN 16, PN 20, PN 25 – PVC-U pressure pipes, type 125 in the diameter range from Ø 110 to Ø 630 mm**

3. Intended use(s):

a) **buried water pipe networks;**

b) **above-ground and buried water supply, both outside and inside buildings;**

c) **buried and above-ground drainage and sewerage under pressure.**

4. Manufacturer's name and registered office address and place of production:

Gamrat SA, ul. Mickiewicza 108, 38-200 Jasło; Jasło Plant

5. Authorized representative's name and registered office address, if any:

not applicable

6. The national system used to assess and verify the constancy of performance:

"System-4"

7. National technical specification:

7a. Polish Standard for the product:

PN-EN ISO 1452-2:2010 "Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure — Unplasticized poly(vinyl chloride) (PVC-U) — Part 2: Pipes"

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

not applicable

7b. National Technical Assessment:

not applicable

Technical assessment unit/National technical assessment unit:

not applicable

Name of the accredited certification body, accreditation number and certificate number:

not applicable



8. Declared performance:

<i>Essential characteristics of the construction product for the intended use or uses</i>	<i>Declared performance</i>	<i>Notes</i>
Vinyl chloride monomer (VCM) content	< 0.0001%, PN-EN ISO 1452-1:2010, Clause 4.1	Polymer test
Impact on water quality	In accordance with PN-EN ISO 1452-1:2010, Clause 4.2	Approval of NIZP-PZH No. B.BK.60110.1160.2022 valid until 11.10.2025
Density ρ	1350 kg/m ³ $\leq \rho \leq$ 1460 kg/m ³ , PN-EN ISO 1452-1:2010, Clause 4.2	
Minimum required strength, MRS-value	\geq 25 MPa, PN-EN ISO 1452-1:2010, Clause 4.4.1 and 4.4.2	Verification of the compound or formulation on the basis of testing of samples in pipe form
External appearance	In accordance with PN-EN ISO 1452-2:2010, Clause 5.1	
Colour	In accordance with PN-EN ISO 1452-2:2010, Clause 5.2	
Geometrical characteristics	In accordance with PN-EN ISO 1452-2:2010, Clause 6	
Mechanical characteristics	Impact strength TIR \leq 10%, PN-EN ISO 1452-2:2010, Clause 8.1	
	Short-term resistance to internal pressure at 20°C, 1 h, in accordance with PN-EN ISO 1452-2:2010, Clause 8.2	
	Long-term resistance to internal pressure at 60°C, 1000 h, in accordance with PN-EN ISO 1452-2:2010, Clause 8.2	
	Short-term resistance to internal pressure of integral sockets on pipes at 20°C, 1 h, in accordance with PN-EN ISO 1452-2:2010, Clause 8.2	
Physical characteristics	Vicat softening temperature (VST); \geq 80°C, PN-EN ISO 1452-2:2010, Clause 9	
	Longitudinal reversion; \leq 5%, PN-EN ISO 1452-2:2010, Clause 9	
	Resistance to dichloromethane; no attack at any part of the surface of the test piece, PN-EN ISO 1452-2:2010, Clause 9	
Leaktightness of assemblies	In accordance with PN-EN ISO 1452-2:2010, Clause 12 and PN-EN ISO 1452-5:2011, Clause 4.3, 4.4, 4.5	
Material properties of sealing rings	In accordance with PN-EN ISO 1452-2:2010, Clause 10	Based on the sealing ring Manufacturer's Declaration of Performance
Adhesive properties	In accordance with PN-EN ISO 1452-2:2010, Clause 11	
Marking	In accordance with PN-EN ISO 1452-2:2010, Clause 13	

9. The performance of the product identified above is in conformity with all declared performance characteristics listed in Section 8. This National Declaration of Performance is issued in accordance with the Act on Construction Products of April 16, 2004, under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Jerzy Pachana – General Director

**Członek Zarządu
Dyrektor Generalny**

Jerzy Pachana
(signature)

Jasło, 16.02.2023

(place and date of issue)

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