

NATIONAL DECLARATION OF PERFORMANCE

N° 1

1. Name and trade name of the construction product: Unplasticized poly(vinyl chloride) (PVC-U) pipes
DN 110, DN 125, DN 160, DN 200, DN 250, DN 315, DN 400
2. Identification of the type of the construction product:
PVC Rura kanal.SN 2
PVC Rura kanal.SN 4
PVC Rura kanal.SN 8
PVC Rura kanal.SN 16
3. Intended use or uses: for non-pressure underground drainage and sewerage, intended to be used buried underground outside the building structure (application area code "U")/ both buried in ground within the building structure and outside the building (application area code "UD")
4. Name and address of the manufacturer and production site: Pipelife Polska S.A. Kartoszyno ul. Torfowa 4, 84-110 Krokowa, Production Plant Strzałków, Production Plant Odolanów- Kaczory
5. Name and address of the authorised representative, where applicable: not applicable
6. National system applied for assessment and verification of constancy of performance: 4
7. National technical specification:
 - 7a. Polish Standard: PN-EN 1401-1:2019-07 "Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the system"
Name of accredited certification body, number of accreditation and number of national certificate or name of accredited laboratory/laboratories and number of accreditation: not applicable
 - 7b. National Technical Assessment: not applicable
Technical Assessment Body/ National Technical Assessment Body: not applicable
Name of accredited certification body, number of accreditation and number of certificate: not applicable
8. Declared Performance:

Essential characteristics of the construction product for the intended use or uses	Declared Performance	Remarks
PVC content	PVC $\geq 75\%$	calculated on the base of producer's receipt acc.to PN-EN 1401-1:2019-07, clause 5.1
Density	$1350 \text{ kg/m}^3 \leq \rho \leq 1600 \text{ kg/m}^3$	PN-EN 1401-1:2019-07, clause 5.1
Resistance to internal pressure	No failure during the test period	The test carried out in the form of a solid wall pipe made from the relevant extrusion material, test conditions acc.to PN-EN 1401-1:2019-07, clause 5.3
Appearance	the internal and external surfaces of pipes shall be smooth, clean and free from grooving, blistering, impurities and pores and any other surface irregularity likely to prevent their conformity to this European Standard, the ends of pipes shall be square to their axis.	
Colour	the pipes are coloured through the wall	
Geometrical characteristics	Acc. to pipe marking: DN 110, SDR 41, SDR 34, SDR 27,6 DN 160, SDR 51, SDR 41, SDR 34, SDR 27,6 DN 200, SDR 51, SDR 41, SDR 34, SDR 27,6 DN 250, SDR 51, SDR 41, SDR 34, SDR 27,6 DN 315, SDR 51, SDR 41, SDR 34, SDR 27,6 DN 400, SDR 51, SDR 41, SDR 34, SDR 27,6	Dimensional tolerances acc. to PN-EN 1401-1:2019-07, clause 7.2 i 7.4
Mechanical characteristics	Ring stiffness: SN 2, SDR 51 SN 4, SDR 41 SN 8, SDR 34 SN 16, SDR 27,6	PN-EN 1401-1:2019-07 clause 8.1.1.1
	Impact resistance (round-the-clock method at 0°C): TIR $\leq 10\%$	PN-EN 1401-1:2019-07, clause 8.1.1.2
	Impact resistance (staircase method): H50 $\geq 1\text{m}$	PN-EN 1401-1:2019-07, clause 8.1.2 for pipes marked with ice cristal ❄️
Physical characteristics	Vicat softening temperature : VST $\geq 79^\circ\text{C}$	PN-EN 1401-1:2019-07, clause 9.1
	Longitudinal reversion: $\epsilon \leq 5\%$, no bubbles or cracks	PN-EN 1401-1:2019-07, clause 9.1
	Resistance to dichloromethane at a specified temperature: no attack	PN-EN 1401-1:2019-07, clause 9.1
Tightness	Tightness of elastomeric ring seal joint: no leakage	Test conditions acc.to PN -EN 1401-1:2019-07, clause 10
	Elevated temperature cycling: no leakage	Only for pipes marked with UD and DN ≤ 200 , test conditions acc.to PN -EN 1401-1:2019-07, clause 10

9. The performance of the product identified above is in conformity with all declared performance in point 8. This national declaration of performance is issued in accordance with the act on construction products dated 16 April 2004 under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

Katarzyna Korszeń, Quality Manager
(name and function)

Katarzyna Korszeń



**Quality Manager
Pipelife Polska S.A**

(signature)

Kartoszyno, 2019-08-20
(place and date of issue)