NATIONAL DECLARATION OF PERFORMANCE

N° 2

1. Name and trade name of the construction product: unplasticized poly(vinyl chloride) (PVC-U) fittings (bends, branches, others)
DN110, DN125, DN160, DN 200
2. Identification of the type of the construction product:
KZ PVC SDR 41
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 Kartoszyno
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 ≥85%	calculated on the base of producer's receipe acc.to PN-EN 1401-1:2019-07, clause 5.1
Density	1350 kg/m3 ≤ ρ ≤ 1600 kg/m3	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 5.4
Appearance	the internal and external surfaces of fittings 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 fittings shall be square to their axis.	
Colour	the fittings are coloured through the wall	
Geometrical characteristics	Acc. to fittings marking: bends DN 110, DN 125, DN 160, DN 200 plugs DN 110, DN 125, DN 160, DN 200 double sockets DN 110, DN 125, DN 160, DN 200 repair colars DN 110, DN 125, DN 160, DN 200 reducers DN 125/110, DN 160/110, DN 160/125, DN 200/110, DN 200/125, DN 200/160, access fittings DN 110,DN 125, DN 160, DN 200 branches DN 110/110, DN 125/110, DN 125/125, DN 160/110, DN 160/125, DN 160/160, DN 200/110, DN 200/125, DN 200/160, DN 200/200	Dimensional tolerances acc. to PN-EN 1401-1:2019-07 , clause 7.3 i 7.4
Mechanical characteristics	Impact strength: no damage	drop test, PN-EN 1401-1:2019-07, clause 8.2.2
Physical characteristics	Vicat softening temperature : VST ≥79 °C	PN-EN 1401-1:2019-07,clause 9,2
	Effects of heating: 1) within a radius of 15 times the wall thickness around the injection point(s), the depth of cracks, delamination or blisters shall not exceed 50 % of the wall thickness at that point; 2) within a distance of 10 times the wall thickness from the diaphragm zone, the depth of cracks, delamination or blisters shall not exceed 50 % of the wall thickness at that point; 3) 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; 4) the weld line shall not have opened more than 50 % of the wall thickness at the line; 5) 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 shall not exceed a length 10 times the wall thickness.	PN-EN 1401-1:2019-07, clause 9.2
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 fittings 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

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

(signature)