



ZINPLAST Sp. z o.o
 32-340 Wolbrom ul. Garbarska 41
 NIP 637-011-19-47 nr KRS 293317
 Tel./fax 032 644-13-10, 644-18-84
 www.zinplast.pl



NATIONAL DECLARATION OF FUNCTIONAL PROPERTIES

NO. PE/S1

1. Trade name of a building product: **Manholes and inspection chambers made from polyethylene (PE) ZINPLAST**
2. Marking/label of the building product: **ZINPLAST, internal diameter range from 300 mm to 3000 mm, SN 1-16**
3. Intended use or applications: **Manholes and inspection chambers ZINPLAST are intended for use in external sewerage systems for non-pressurized (gravitational) transportation of sewage and rainwater, within the range of network pipe diameters p. 1.**
Manholes and inspection chambers ZINPLAST with a settling tank can also be used for rainwater drainage systems, drainage systems and seepage installations.
Manholes and inspection chambers ZINPLAST can be placed up to 10 m below the ground level and up to ground water level.
4. Name and address of a manufacturer/production site: **„ZINPLAST” Sp. z o. o. - ul. Garbarska 41, 32340 Wolbrom**
5. Name and address of the registered office of the representative, if applicable: **Not applicable**
6. Domestic system of verification and assessment of usable (functional) properties: **4**
7. Domestic technical specification:
 - 7a. Polish standard for the product: **PN-EN 135982 Systems of pipe conduits made from plastics, intended for underground non-pressurized storm water and sanitary systems. Non-plasticized polyvinyl chloride (PV-C), polypropylene (PP) and polyethylene (PE). Specifications of manholes and inspection chambers installed in the area of vehicle traffic, deep underground.**
 Name of the accredited certification body, the accreditation number and national certificate number or the name of the accredited laboratory(s) and the accreditation number: **not applicable**
 - 7b. Domestic technical assessment: **ITB-KOT-2019/1177 rev. 1 ZINPLAST Manholes and inspection chambers made from polyethylene (PE)**
 Technical Assessment Body/National Technical Assessment Body: **ITB**
 Name of the accredited certification body, the accreditation number and certificate number : **not applicable**
8. Declared usable (functional) properties:


Basic characteristics of the building product for intended use.	Declared usable (functional) properties	Remarks
Structural coherence of the manhole/inspection chamber	acc. to PN-EN 135982:2016	-
Resistance of the product's bottom to impact	No cracks and other damages	-
Circumferential stiffness of the raising stem kN/m ²	SN 1 ≥ 1,0 SN 1,5 ≥ 1,5 SN2 ≥ 2 SN 3,2 ≥ 3,2 SN4 ≥ 4 SN6 ≥ 6 SN 6,3 ≥ 6,3 SN8 ≥ 8	-

	SN 10 \geq 10 SN 12 \geq 12 SN 12,5 \geq 12,5 SN 16 \geq 16	
Resistance of steps vertical load 2 kN		-
- deformation under the load, mm	≤ 10	
- regular deformation, mm (for manholes)	≤ 5	
Resistance of steps horizontal load (tear-out)	No tear-outs	-

Color (acc. to PN-EN 13598-2;2016	Any color, outer areas colored deeply	-
Circumferential stiffness of frameworks and telescopes (acc. to PN-EN 13598-2;2016 Table 4)	$\geq 2 \text{ kN/m}^2$	-

9. The performance of the product referred to above shall be in accordance with all the declared performance characteristics listed in point 8. This national declaration of performance is issued in accordance with the Act of 16 April 2004 on Construction Products under the sole responsibility of the manufacturer.

In the name of the manufacturer:

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Department Wolbrom,

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