NATIONAL DECLARATION OF UTILITIES

No. 2/2025/ENG

1. Name and trade name of the construction product:
Renovation liners In_Liner 2.1 DN 150-2000

2. 2. Construction product type designation:
Renovation liners for trenchless rehabilitation and sealing of circular and non-circular conduits.

3. Intended use(s):
Site-cured liners for trenchless rehabilitation and sealing of gravity sewer network pipes, with circular cross-sections DN 150-2000 or non-circular cross-sections with an internal circumference of up to 6,2 m.

4. Name and address of the manufacturer's registered office and place of manufacture of the product:
INSTBUD Spółka z ograniczoną odpowiedzialnością
ul. Przemysłowa 3, 32-420 Gdów

5. Name and business address of the authorised representative, if any: **Not applicable**

6. National system used to assess and verify consistency of performance: **4**

7. National Technical Specification:
7a. Polish product standard: **Not applicable**
Name of accredited certification body, accreditation number and national certificate number or name of accredited laboratory(s) and accreditation number: **Not applicable**

7b. National Technical Assessment:
Annex No. 1 to ITB-KOT-2019/0749 edition 2 "In_Liner trenchless rehabilitation and sealing of circular and non-circular ducts cured on site"

Technical Assessment Body/National Technical Assessment Body:
Instytut Techniki Budowlanej (Building Research Institute), Poland

Name of accredited certification body, accreditation number and certificate number: **Not applicable**

8. Declared performance characteristics:

Essential characteristics of the construction product for the intended use or uses	*Declared performance characteristics*	*Comments*
Initial specific peripheral stiffness (S_0), kPa	≥ 0,25	Test method according to ISO 7685:1998, method A or B or PN-EN 1228:1999
Short-term flexural modulus E_0, MPa	≥ 19000	Test method according to PN-EN ISO 178:2019 PN-EN ISO 11296-4:2018, Annex B PN-EN ISO 11296-4:2018-03/A1:2021
Short-term flexural modulus E, MPa	≥ 21500	Test method according to ISO 7685:1998, method A or B or PN-EN 1228:1999

Essential characteristics of the construction product for the intended use or uses	*Declared performance characteristics*	*Comments*
Bending stress at first crack, MPa	≥ 280	Test method according to PN-EN ISO 178:2019; PN-EN ISO 11296-4:2018, Annex B PN-EN ISO 11296-4:2018-03/A1:2021
Longitudinal tensile strength, MPa	≥ 15	Test method according to ISO 8513:2016, method A or B, test parameters according to PN-EN ISO 11296-4:2018
Elongation at break, %	≥ 0,5	Test method according to ISO 8513:2016, method A or B, test parameters according to PN-EN ISO 11296-4:2018
Creep factor in air, α_{xdry}	≥ 0,78	Test method according to ISO 10468:2023 test parameters according to PN-EN ISO 11296-4:2018
Resistance to chemicals at deflection, %.	≥ 0,45	Test method according to ISO 10952:2014
Resistance to internal pressure	No damage	Test method according to DIN 53758, DIN 53769-2, test conditions: pressure p_{max} = 1 MPa, temp. 23°C, time 1h
Long-term flexural modulus in water, $E_{x\,wet}$, MPa	$E_{50\,wet}$ ≥ 300	Test method according to PN-EN 11296-4:2018 Annex C PN-EN ISO 11296-4:2018-03/A1:2021
Abrasion resistance	The abrasive wear value after 100 000 test cycles does not exceed 0.03 mm	Test method according to PN-EN 295-3:2012
Resistance to high-pressure cleaning	No damage	Test method according to DIN 19523, test procedure 1 or 2

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

Signed on behalf of the manufacturer:

Michał Latkiewicz

dr Michał Latkiewicz
Director of R&D and QC

dr Michał Latkiewicz
dyr. R&D i kontroli jakości

Gdów, valid from 12.11.2025, replaces 19.05.2025