



NATIONAL DECLARATION OF PERFORMANCE no. 167

1. Name and trade name of the construction product: Structural-wall pipes, made of unplasticized poly(vinyl chloride)(PVC-U) DN/OD 160-400
2. Designation of the construction selection type: PVC-U external sewage pipes SN4, SN8, A1
3. Intended use or uses: for underground non-pressurized drainage and sewerage outside of building structures - area of application U
4. Name and address of the manufacturer's registered office and place of production: SKOPLAST Stanisław i Krzysztof Szkopek sp.j.
ul. Raszkowska 9a 63-430 Kaczory
5. Name and address of the authorized representative, if any: not applicable
6. National application system for the assessment and verification of constancy of performance: 4
7. National technical specification:
7.a Polish product standard: PN-EN 13476-2 Plastic piping systems for underground non-pressure drainage and sewage systems. Piping systems with structured walls of unplasticized poly(vinyl chloride)(PVC-U), polypropylene(PP) and polyethylene(PE). Part 2:
Specifications for pipes and fittings with smooth internal and external surfaces and the system, type A
Name of the accredited certification body, accreditation number and national certificate number or name of accredited laboratory/laboratories and accreditation number: not applicable
7.b National technical assessment: not applicable
Technical Assessment Body/National Technical Assessment Body: not applicable
Name of the accredited certification body, accreditation number and certificate number: not applicable
8. Declared performance characteristics:

Essential characteristics of the construction product for intended use or uses	Declared performance characteristics	Comments
Appearance	Conforms to PN-EN 13476-2:2008, point 6	
Colour	Conforms to PN-EN 13476-2:2008, point 6	
Geometric features	In accordance with PN-EN 13476-2:2008, point 7	
Mechanical properties	circumferential stiffness: SN $\geq 2\text{kN/m}^2$ for SN2 pipes SN $\geq 4\text{kN/m}^2$ for SN4 pipes SN $\geq 8\text{kN/m}^2$ for SN8 pipes PN-EN 13476-2:2008, point 9.1.1	
	Impact strength at 0°C (falling weight method) -TIR $\leq 10\%$, PN-EN 13476-2:2008, point 9.1.1	
	Circumferential elasticity 30 in accordance with PN-EN 13476-2:2008, point 9.1.1 and 9.1.2	
	Creep index ≤ 2.5 when extrapolated for 2 years, PN-EN 13476-2:2008, point 9.1.1	
Physical properties	Vicat softening point (VST) $\geq 79^\circ\text{C}$ PN-EN 13476-2:2008, point 8.1.1	
	Longitudinal shrinkage $\leq 5\%$: No delamination, bubbles and cracks, PN-EN 13476-2:2008, point 8.1.1	
PVC content	$\geq 80\%$, PN-EN 13476-2:2008, Annex A	Calculated on the basis of the manufacturer's known recipe
Internal pressure resistance	Conforms to PN-EN 13476-2:2008, point 4.2.2	Testing of the pipe material on a sample in the form of a solid pipe
Properties of sealing rings materials	According to PN-EN 13476-2:2008, point 4.5	Based on the Declaration of Performance of the manufacturer of the sealing rings
Tightness	Tightness of connections with elastomer ring according to PN-EN 13476-2:2008, point 10	
Marking	PN-EN 13476-2:2008, point 11.2.1	

9. The performance of the product specified above is in accordance with all the declared performances 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.

Signed on behalf of the manufacturer by:

Sebastian Szkopek, Quality Department Manager

Kierownik Kontroli
Jakości Laboratorium
inż. Sebastian Szkopek

Kaczory 2017-01-02

Signed on behalf of the manufacturer by: Sebastian Szkopek, Quality Department Manager