

DECLARATION OF THE CHARACTERISTICS OF A CONSTRUCTION PRODUCT

The undersigned, **Devorex PLC**, Plovdiv Region, 4109 Branipole, zone Chiirite 020G, ID: 202826557, represented by the CEO Dariusz Szlezak, hereby declares under sole responsibility that the product:

Roof Drainage System "ELEGANCE 140"
Gutters, Pipes and Fittings

manufactured in **Production facility No. 1, Plovdiv Region, 4109 Branipole, zone Chiirite 020 G**, subject to this declaration, is produced under an established and maintained by the manufacturer production control system and conforms to the following Bulgarian and European standards and technical norms:

EN 607:2005	Eaves gutters and fittings made of PVC-U. Definitions, requirements and testing.
EN 12200-1:2016	Plastic rainwater piping systems for above ground external use. Unplasticized poly(vinylchloride) (PVC-U). Part 1: Specifications for pipes, fittings and the system.
CEN/TS 12200-2:2017	Plastic rainwater piping systems for above ground external use. Unplasticized poly(vinylchloride) (PVC-U). Part 2: Guidance on conformity assessment.
EN 1462:2005	Brackets for eaves gutters. Requirements and testing.
EN 12095:2003	Plastic piping systems. Brackets for rainwater piping systems. Method for testing the tensile strength of brackets .

The conformity assessment is performed based on the Ordinance on the Essential Requirements of Construction Works and Conformity Assessment of Construction Products (System 4). The declaration is issued on the basis of protocols for initial type testing (ITT) and characteristics of the construction product described in Appendix No. 1 of the present declaration as well as a production control system (BRT, AT, IT), in conformance with the requirements of Appendix No. 2 of the Ordinance on the Essential Requirements of Construction Works and Conformity Assessment of Construction Products.

Designs and installations incorporating Roof Drainage System "ELEGANCE 140" are to be performed following the requirements of EN 12056-3:2004 "Gravity Drainage Systems Inside Buildings. Part 3: Roof Drainage, Layout and Calculation" with strict adherence to the instructions of the Installation Manual for system "ELEGANCE 140" of Devorex PLC, as well as all other applicable construction standards and regulations.

May 2019

Dariusz Szlezak
CEO



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Appendix No. 1

to

Declaration of the characteristics of a construction product

Initial type testing (ITT) of:

Roof Drainage System "ELEGANCE 140"
Gutters, Pipes and Fittings

and conformity assessment of the products with the applicable norms is performed by the manufacturer, by its qualified personnel, or by laboratories with the required equipment and qualified personnel, according to testing protocols. The declared performance characteristics of the construction product are as follows:

Characteristics		Indicators	Test method
EN 607:2005	Gutters	Appearance	Visually, without magnification
		Impact strength at (0 ± 2 °C)	App. B, EN 607
		Tensile strength and relative elongation at break	EN ISO 6259-1, -2
		≥ 42 MPa ≥ 100 %	
		Tensile-impact strength	EN ISO 8256
		Longitudinal reversion	EN ISO 2505
		Vicat softening temperature	EN 727 EN ISO 306
		Artificial ageing (system-wide)	Colour: Not exceeding stage 3 of the gray scale EN 20105-A02 Method A from EN ISO 4892-2, (Xenon Test)
		Tensile-impact strength	≥ 50% of the value before ageing Method A from EN ISO 8256
		Watertightness (system-wide)	No less than 5 cycles without leaks and drops App. D, EN 607
EN 12200-1:2016	Pipes	Appearance	Smooth, clean surface without pores or other defects EN 12200-1, pt. 5 visually
		Dimensions	Within the set limits EN 12200-1, pt. 6.1, pt. 6.2.1; EN ISO 3126
		Resistance to external blows at (0 ± 2 °C)	≥ 25 blows without breaking or cracking EN 12200-1, pt. 7.1 EN 744
		Tensile-impact strength	≥ 500 kJ/m ² EN 12200-1, pt. 7.1 EN 8256
		Tensile strength and relative elongation at break	≥ 42 MPa ≥ 100 % EN 12200-1, pt. 7.1 EN ISO 6259-1, 2 EN 527-1,3
		Longitudinal reversion	
		Vicat softening temperature	≤ 3 % EN 12200-1, pt. 8.1 EN 743
		Artificial ageing	≥ 75 °C EN 727 EN ISO 306
			Colour: Not exceeding stage 3 of the gray scale EN 20105-A02 Method A from EN ISO 4892-2, (Xenon Test)

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Characteristics		Indicators	Test method	
EN 607:2005, EN 12200-1	Fittings and brackets	Appearance	Smooth, clean surface without pores, cracks or other defects	Visually without magnification
		Shape and dimensions	Compatible with the shape and dimensions of the gutter, pipes in particular	By assembling
		Effect of heating	Without cracks at the injection point and without recesses	EN 763 (150±2 °C) (15±2) min
		Vicat softening temperature	≥ 75 °C	EN 727 EN ISO 306
		Load bearing capacity	No more than 5 mm residual deformation	EN 607 EN 1462, pt. 6.2 Appendix B
		Artificial ageing	Colour: Not exceeding stage 3 of the gray scale EN 20105-A02	Method A from EN ISO 4892-2, (Xenon Test)
		Mechanical resistance – residual deformation	≤ 3mm	EN 12200-1 EN 12095
		Watertightness	Without drops and leaks	EN 12200-1, pt. 9 EN 1053

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