

NATIONAL DECLARATION OF PERFORMANCE No. 10/D/R/2018

- 1. Name and trade name of the construction product:**
Gutter system of "BRYZA" non-plasticized PVC-U
- 2. Designation of construction product type:**
Bryza gutter system 75, 100, 125, 150 mm and down pipes and fittings Ø63; Ø90; Ø110 mm.
- 3. Intended use(s):**
The system is intended for draining rainwater in general and industrial construction.
- 4. Manufacturer's name and registered office address and place of production:**
Cellfast Sp. z o.o., ul. Władysława Grabskiego 31, 37-450 Stalowa Wola;
Cellfast Sp. z o.o., ul. Drzymały 41, 38-400 Krosno
- 5. Authorized representative's name and registered office address, if any:**
not applicable
- 6. The national system used to assess and verify the constancy of performance:**
Conformity assessment system 4
- 7. National technical specification:**
 - 7a. Polish Product Standard:**
 PN-EN 12200-1: 2016-5 - Plastic pipe systems for rainwater for outdoor use above ground - Non-plasticized polyvinyl chloride (PVC-U) - Part 1: Pipes, fittings, and system requirements.
 PN-EN 1462: 2006 - Gutter brackets - Requirements and tests.
 PN-EN 607: 2005 - Roof gutters and fittings made of PVC-U - Definitions, requirements and tests.
Name of the accredited certification body, accreditation number and national certificate number or name of the accredited laboratory/laboratories and accreditation number):
 not applicable
 - 7b. National technical assessment:**
not applicable
 - Technical assessment unit/National technical assessment unit:**
not applicable
 - Name of the accredited certification body, accreditation number and certificate number):**
not applicable
- 8. Declared performance:**
Gutters and down pipes

Essential characteristics of the construction product for the intended use or uses	Declared performance	Comments
Gutter width	75 mm, 100 mm, 125 mm, 150 mm	-
Downpipe diameter	63 mm, 90 mm, 110 mm	-
Tensile strength	≥ 42 MPa	-
Vicat softening point	≥ 75 °C	-
Elongation at break	≥ 100%	-
Impact tensile strength	≥ 500 kJ / m ²	-
Thermal shrinkage	≤ 3%	-
Impact resistance (gutters)	no cracks or scratches visible with the naked eye	-
Impact resistance (falling weight method) - pipes	TIR ≤ 10%	-

Equipment elements

Essential characteristics of the construction product for the intended use or uses	Declared performance	Comments
Vicat softening point	$\geq 75^{\circ} \text{C}$	-
High temperature resistance	* / **	-
Bracket load capacity		
75 mm - load class O	-	-
100, 125, 150 mm - load class H	$\leq 5\text{mm}$	-
Bracket corrosion resistance	corrosion resistance class: A	-
Bracket strength (clamp)	$\leq 3\text{mm}$	-

The pipe system

Essential characteristics of the construction product for the intended use or uses	Declared performance	Comments
Artificial aging - color change	the color change does not exceed level 3 of gray scale according to EN 20105-A02	-
Artificial aging - impact tensile strength	$\geq 50\%$ of the value before aging	-

- * a) In a radius equal to 15 times the wall thickness around the injection point, the depth of cracks, delaminations or blisters should not exceed 50% of the wall thickness at this point;
 b) At a distance equal to 10 times the wall thickness from the diaphragm zone, the depth of cracks, delaminations or blisters should not exceed 50% of the wall thickness at this point;
 c) At a distance equal to 10 times the wall thickness from the annular filler point, the length of cracks should not exceed 50% of the wall thickness at this point;
 d) The joining line should not have an opening bigger than 50% of the wall thickness in this line;
 e) In all other parts of the molded surface, the depth of cracks and delaminations should not exceed 30% of the wall thickness at this point. Blisters should not be longer than 10 times the wall thickness.
 ** After cutting the moulder, the cut surfaces viewed without magnification should not have any foreign inclusions.

9. The performance of the product specified above is in accordance with all declared performance properties as listed in Section 8. This national declaration of performance is issued in accordance with the Act on construction products of 16 April 2004, under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:

STALOWA WOLA, 21.09.2018.
 (name and surname, position)

Stalowa Wola, 21.09.2018
 (issue place and date) (signature)

 cellfast | CELL-FAST Sp. z o.o.

 Dyrektor ds. Jakości
 Przemysław Skrzypek

