



## NATIONAL DECLARATION OF PERFORMANCE

No. 6/2022

1. Name and trade name of the construction product:

**Galeco HIDDEN GUTTER**

**Gutter system: Galeco HIDDEN GUTTER 125/80x70**

2. Type designation of the construction product:

**SR HIDDEN GUTTER**

3. Intended use(s):

**Rainwater drainage**

4. Name and address of the manufacturer's registered office and the place of manufacture of the product:

**Manufacturer: Galeco Sp. z o.o., ul. Uśmiechu 1, 32-083 Balice.**

5. Name and address of the registered office of the authorised representative, if established: - **Not applicable**

6. National system used for assessment and verification of constancy of performance:

**System 4**

7. National technical specification:

7a. Polish product standard:

**PN-EN 612:2006, "Roof gutters made of metal sheets with round reinforced front side rim and overlapped fall pipes".**

**PN-EN 1462:2006 "Brackets for roof gutters. Requirements and testing".**

**PN-EN 607:2005, "Roof gutters and fittings made of PVC-U. Definitions, requirements and testing".**

7b. National technical assessment: **ITB-KOT-2019/0845**

Technical assessment body/National technical assessment body: - **Building Research Institute**

Accredited certification body name, accreditation number and certificate number: - **Not applicable**

8. Declared performance:

**Appendix No. 1**

9. The performance of the product specified above complies with all the declared performance characteristics listed in point 8.

This national declaration of performance is issued in accordance with the Act of April 16, 2004 on construction products, under the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer:

**Wojciech Piątkowski**

**Product Development and Quality Control Manager**

Balice, 15.12.2022

(update KDWU No. 6 dated 12.07.2022)

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Appendix No. 1

Table 1 – Properties of elements made of coated steel

Essential characteristics of the construction product for the intended use(s)	Declared performance	Comments
Material	Galvanised steel, grade min. DX51D+Z275	
Steel sheet thickness	≥0.6mm	
Thickness of the organic coating	≥25µm	
Thickness of the zinc coating	≥20µm	

Table 2 – Properties of powder-coated elements

Essential characteristics of the construction product for the intended use(s)	Declared performance	Comments
Material	Galvanised steel, grade min. DX51D+Z275	
Thickness of the organic coating (powder coating)	≥60µm	
Thickness of the zinc coating	≥20µm	

Table 3 – Properties of gutter brackets

Essential characteristics of the construction product for the intended use(s)	Declared performance	Comments
Material	Galvanised steel, grade min. DX51D+Z275	
Thickness of the organic coating (powder coating)	≥60µm	
Corrosion resistance class	A	
Load class	H	

Table 4 – Properties of pipe brackets

Essential characteristics of the construction product for the intended use(s)	Declared performance	Comments
Strength of the brackets	Permanent deformation ≤ 3 mm	
Corrosion resistance class	A	

Table 5 – Properties of plastic plugs

Essential characteristics of the construction product for the intended use(s)	Declared performance	Comments
Resistance to high temperature	No delamination, blistering or cracking	
Vicat softening point	$\geq 75^\circ\text{C}$	
Artificial ageing (colour fastness)	The colour change does not exceed the 3rd degree of the grey scale	

Table 6 – Properties of the drain funnel

Essential characteristics of the construction product for the intended use(s)	Declared performance	Comments
Thickness of protective coatings (steel):		
- zinc coatings	$\geq 20\mu\text{m}$	
- polyurethane coating (continuous coating)	$\geq 40\mu\text{m}$	
Resistance to high temperature ( $140^\circ\text{C}/15\text{min}$ )	according to PN-EN 607:2005 table 2	
Vicat softening point	$\geq 75^\circ\text{C}$	
Resistance to impact on the drain funnel (drop height 0.5m, temperature $0^\circ\text{C}$ , impact location: nozzle)	No cracks or other damage	

Table 7 – Properties of the drain pipe

Essential characteristics of the construction product for the intended use(s)	Declared performance	Comments
Vicat softening point	$\geq 75^\circ\text{C}$	
Tensile strength	$\geq 42 \text{ N/mm}^2$	
Impact tensile strength	$\geq 500 \text{ kJ/m}^2$	
Elongation at break	$\geq 100\%$	
Longitudinal contraction, %	$\leq 3$ no cracks or blisters	

Table 8 – Properties of drain fittings

Essential characteristics of the construction product for the intended use(s)	Declared performance	Comments
Change as a result of heating	No delamination, blistering or cracking	
Vicat softening point	$\geq 75^\circ\text{C}$	