



Institute for Testing and Certification
Zlín, Czech Republic – www.itczlin.cz

CERTIFICATE

No. 18 0147 T/ITC

confirms that the product

Eaves gutters, lead pipes and fittings made of PVC-U

of the applicant

Döcke Extrusion

59, Kosmonavtov Street, 141 800 Dmitrov, Russian Federation

manufactured by

Döcke Extrusion

59, Kosmonavtov Street, 141 800 Dmitrov, Russian Federation

complies with the requirements

EN 607:2004 Eaves gutters and fittings made of PVC-U – Definitions, requirements and testing

EN 12200-1:2000 Plastics rainwater piping systems for above ground external use - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the system

The Institute for Testing and Certification achieved positive results when testing the product in accordance with the certification process of scheme 1a pursuant to the requirements stipulated by ČSN EN ISO /IEC 17067 and the above technical specifications. A description of the product, documentation, evaluation procedures and the results of the re-testing process are presented in Final Protocol No. **313500799/2018**, which is attached to this Certificate.

Terms of use of certificate and related information:

1. This Certificate is issued on a voluntary basis and is only valid for the product (products) and modifications thereto stated in the Certificate and in relation to the issued certification document.
2. The Institute for Testing and Certification, as the issuer of this Certificate, confirms the existence of the relevant certification document.
3. This Certificate in no way implies supervision or inspection of the product by ITC.
4. This Certificate remains valid provided that no changes are made to the production technology used, the standards applied or the relevant legislation, although no longer than up to the validity date specified below.
5. The Certificate holder is obliged to organise its own production quality assurance system to ensure that the certified product continues to comply with the requirements stipulated by the relevant certification document and terms of use of this Certificate while the Certificate is valid, and is obliged to inform ITC of any changes in raw materials or production technology that could affect the properties of the certified product.
6. When using the Certificate, the Certificate holder must abide by the Certificate Usage Rules, which are available to the public at www.itczlin.cz.
7. The validity of this Certificate may be verified at www.itczlin.cz.

Approved and issued:
Valid until:

2018-04-20
2021-04-19




Ing. Pavel Vaněk
Director of Certification Division



INSTITUTE FOR TESTING AND CERTIFICATION

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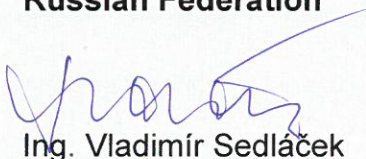
FINAL REPORT

No. 3135 00799 / 2018

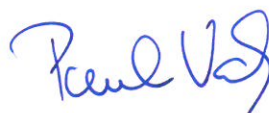
Applicant : **Döcke Extrusion**
59, Kosmonavtov Street
141 800 Dmitrov
Russian Federation

Product : **Eaves gutters, lead pipes and fittings made of PVC-U**

Manufacturer : **Döcke Extrusion**
59, Kosmonavtov Street
141 800 Dmitrov
Russian Federation

Compliance
assessed by : 
Ing. Vladimír Sedláček

Date of issue : 2018-04-20



Ing. Pavel Vaněk
Head of Certification Division



1. Specification of product

The applicant applied for assessment of conformity (certification) the eaves gutters , lead pipes and fittings made of PVC-U. The name of system is DÖCKE STANDARD a DÖCKE LUX. The system is composed of:

DÖCKE STANDARD

- eaves gutters (size 120,65 mm, wall thickness 1,5 mm, length 3 m)
- eaves fittings (gutter coupler, gutter end, outlet of gutter, gutter angle 90°, gutter angle 135°); in gutter couplers are integrated a rubber sealing bands which secures leakthitness of joint gutter - fitting
- gutter brackets (plastic or metallic)
- lead pipes (size d 85,73 mm, wall thickness 1,8 mm, length 3 m)
- lead fittings (coupler with socket, knee 45°, knee 72°, outlet)
- universal sleeves of lead pipes

Colour of system: brown, white, pomegranate (manufacturer don't declare the number of RAL).

DÖCKE LUX

- eaves gutters (size 120,65 mm, wall thickness 1,7 mm, length 3 m)
- eaves fittings (gutter coupler, gutter end, outlet of gutter, gutter angle 90°, gutter angle 135°); in gutter couplers are integrated a rubber sealing bands which secures leakthitness of joint gutter - fitting
- gutter brackets (plastic or metallic)
- lead pipes (size d 85,73 mm, wall thickness 1,8 mm, length 3 m)
- lead fittings (coupler with socket, knee 45°, knee 72°, outlet)
- universal sleeves of lead pipes

Colour of system: brown, white, gray (manufacturer don't declare the number of RAL).

2. Conformity assessment of the product under certification with the requirements of technical regulations

2.1 Specified regulations, technical characteristic, test methods and test results

Conformity assessment was carried out in compliance with standard:

- EN 607:2004 Eaves gutters and fittings made of PVC-U – Definitions, requirements and testing
- EN 12200-1:2000 Plastics rainwater piping systems for above ground external use – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipe, fittings and the system



Product certification (conformity assessment) is carried out using the certification process scheme 1a in accordance with the requirements of EN ISO/IEC 17067.

Technical characteristics, test methods and test results are given in tables I, II, III, IV.

Table I. Eaves gutter DÖCKE STANDARD, d 120,65 mm, brown colour

Technical characteristics	Unit of measure	Level of technical characteristics	Value obtained	Measurement procedures (test methods)
Appearance	-	The inner and outer surface is clean, free of scratches and blisters, impurities, pores and other surface irregularities	pass	EN 607, čl. 5.1
Marking	-	EN 607 čl. 13	without marking ¹⁾	-
Impact test	-	no fracture or crack visible without magnification	pass	EN 607, annex B
Tensile strength	MPa	min. 42	48	EN ISO 6259-1
Elongation at break	%	min. 100	125	EN ISO 6259-1
Tensile impact strength	kJ/m ²	min. 500	> 500	EN ISO 8256 method A
Longitudinal reversion	%	max. 3	1,2	EN ISO 2505, air
Watertightness of gutter system	-	no drops occurrence	pass	EN 607 annex D
Vicat softening temperature	°C	min. 75	79,4	EN 727
Artificial ageing (QUV zkouška, 2,6 GJ/m ² , 1313 h), tensile impact strength	% kJ/m ²	≥ 250	330 ²⁾	EN ISO 4892-2, method A
Artificial ageing (QUV test, 2,6 GJ/m ² , 1313 h), colour fastness	stage of the grey scale	max. 3	4 – 5	EN 20105-A02

1) Can not be assessed

2) Tested on the sample no. 313500799S/12



Table II. Gutter coupler DÖCKE STANDARD, d 120,65 mm, brown colour

Technical characteristics	Unit of measure	Level of technical characteristics	Value obtained	Measurement procedures (test methods)
Appearance	-	vnitřní i vnější povrch hladký, čistý bez vrubů, dutin a jiných povrchových vad	pass	EN 607, art. 5.1
Marking	-	EN 607 Art. 8, 9	without marking ¹⁾	EN 607 art. 8, 9
Effect of heating	-	EN 607, art. 9, table 2	pass	EN ISO 580

1) Can not be assessed

Table III. Lead pipe DÖCKE STANDARD, d 85,73 mm, brown colour

Technical characteristics	Unit of measure	Level of technical characteristics	Value obtained	Measurement procedures (test methods)
Appearance	-	EN 12200-1, art. 5 The inner and outer surface is clean, free of scratches and blisters, impurities, pores and other surface irregularities	pass	-
Marking	-	EN 12200, art. 12.2	without marking ¹⁾	-
Mean outside diameter d_{em}	mm	-	85,7	EN ISO 3126
Mean inside diameter d_{im}	mm	-	82,432	EN ISO 3126
Wall thickness of pipe e	mm	min. 1,6	1,69 – 1,88	EN ISO 3126
Wall thickness of a socket e_2	mm	-	-	EN ISO 3126
Impact resistance TIR	%	≤ 10	0	EN 744
Tensile strength	MPa	min. 42	49	EN ISO 6259-1



Elongation at break	%	min. 100	122	EN ISO 6259-1
Tensile impact strength	kJ/m ²	min. 500	719 ²⁾	EN ISO 8256 method A
Longitudinal reversion	%	max. 3	1,2	EN ISO 2505, air
Vicat softening temperature	°C	min. 75	78,8	EN 727
Artificial ageing (QUV zkouška, 2,6 GJ/m ² , 1313 h), tensile impact strength	% kJ/m ²	≥ 250	310 ²⁾	EN ISO 4892-2, method A
Artificial ageing (QUV test, 2,6 GJ/m ² , 1313 h), colour fastness	stage of the grey scale	max. 3	4 – 5	EN 20105-A02

1) Can not be assessed

2) Tested on the sample no. 313500799S/13

Table IV. Lead knee 45°DÖCKE STANDARD, brown colour

Technical characteristics	Unit of measure	Level of technical characteristics	Value obtained	Measurement procedures (test methods)
Appearance	-	EN 12200-1, art. 5 The inner and outer surface is clean, free of scratches and blisters, impurities, pores and other surface irregularities	pass	-
Marking	-	EN 12200, art. 12.2	without marking ¹⁾	-
Effect of heating	-	EN 12200-1, art. 8.2, table 11	pass ¹⁾	EN ISO 580
Vicat softening temperature	°C	min. 75	78,1	EN 727

1) Can not be assessed

2) Tested on the sample no. 313500799S/14



2.2 Site and scope of sample collection

The samples were supplied by the manufacturer according to a requirement by ITC, a. s. in quantities:

- 313500799S/1: 8 pcs of gutters, length 100 cm, brown colour
- 313500799S/3: 2 pcs of gutters, length 150 cm, brown colour
- 313500799S/4: 6 pcs of gutter joints, brown colour
- 313500705S/5: 2 pcs of gutter ends, brown colour
- 313500705S/6: 2 pc of outlet of gutter, brown colour
- 313500705S/7: 1 pc of gutter angle 90°, brown colour
- 313500705S/8: 8 pcs of plastic gutter brackets, brown colour
- 313500705S/9: 3 pcs of lead pipes, brown colour
- 313500705S/10: 4 pcs of lead knees 45°, brown colour
- 313500799S/12: 2 pcs of gutters, length 100 cm, brown colour
- 313500799S/13: 2 pcs of lead pipes, length 1 m, brown colour
- 313500799S/14: 3 pcs of lead knees 45°, brown colour

2.3 Test laboratory and date of the tests

The test were carried out at the institutions as follows:

- Institut pro testování a certifikaci, a. s. Zlín (Juni 2017 – April 2018)

2.4 Conformity assessment of the product

The product meets the requierements of standard EN 607.

The product meets the requierements of standard EN 12200-1.

3. Conclusion

Conformity of properties of the tested product acc to standard EN 607, EN 12200-1 has been demonstrated.



4. A list of documents used to elaborate the Final Report

- Application for certification No. 3135 00799
- EN 607:2004 Eaves gutters and fittings made of PVC-U – Definitions, requirements and testing
- EN 12200-1:2000 Plastics rainwater piping systems for above ground external use – Unplasticized poly(vinyl chloride) (PVC-U) – Part 1: Specifications for pipe, fittings and the system
- Test report of accredited laboratory No. 3135 00799/01, elaborated by Institut pro testování a certifikaci a. s. – accredited laboratory No. 1004 Zlín, on 11. 9. 2017
- Test report No. 3135 00799/02, elaborated by Institut pro testování a certifikaci a. s., Zlín, on 19. 9. 2017
- Test report No. 3135 00799/05, elaborated by Institut pro testování a certifikaci a. s., Zlín, on 6. 3. 2018
- Test report of accredited laboratory No. 3135 00799/06, elaborated by Institut pro testování a certifikaci a. s. – accredited laboratory No. 1004 Zlín, on 19. 1. 2018