



TEST REPORT

issued by Testing Laboratory No. 1018.3
accredited pursuant to ČSN EN ISO/IEC 17025:2005 by Czech Accreditation Institute

No. 030 – 058767

**for determination of anti-slip properties of aluminium profile ALN2-90N
for staircase edges**

Ordering Party: **OLEJÁR, spol. s r.o.**
Address: Priemyselná 4265
085 01 Bardejov, Slovakia

Company ID: 36509531

Manufacturer: **OLEJÁR, spol. s r.o.**
Address: Priemyselná 4265
085 01 Bardejov, Slovakia

Test sample: **Aluminium profile ALN2-90N for staircase edges**

Order No.: Z030 19 0302

Number of pages of the Test Report incl. title page: 4 Pages of Annexes: -

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Print No.:

Number of prints: 3

Plzeň, 2019-07-31

razítko zkušební laboratoře č. 1018.3

Declaration: 1) The test results in this Report relate only to the tested article and they do not substitute any other documents
2) The Test Report must be copied as a whole only otherwise a written consent of the testing laboratory is needed.

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Entered in the Commercial Register maintained by Municipal Court in Prague, Section ALX, Insert 711, Comp. ID: 00015679, VAT: CZ00015679

1 Initial Data

• Assignment

- Execution of tests of slipperiness of Aluminium profile ALN2-90N for staircase edges according the requirement of the client:
 - **determination of slipperiness – walking methods – ramp test** (shoe method) according DIN 51130, P CEN/TS 16165 (annex B)

2 Samples

- Samples specification: **Aluminium profile ALN2-90N for staircase edges:**
 - in the perpendicular direction
 - in the longitudinal direction

Producer: OLEJÁR, spol. s r.o., Priemyselná 4265, 085 01 Bardejov, Slovakia

- Samples supplied on 22nd July 2019

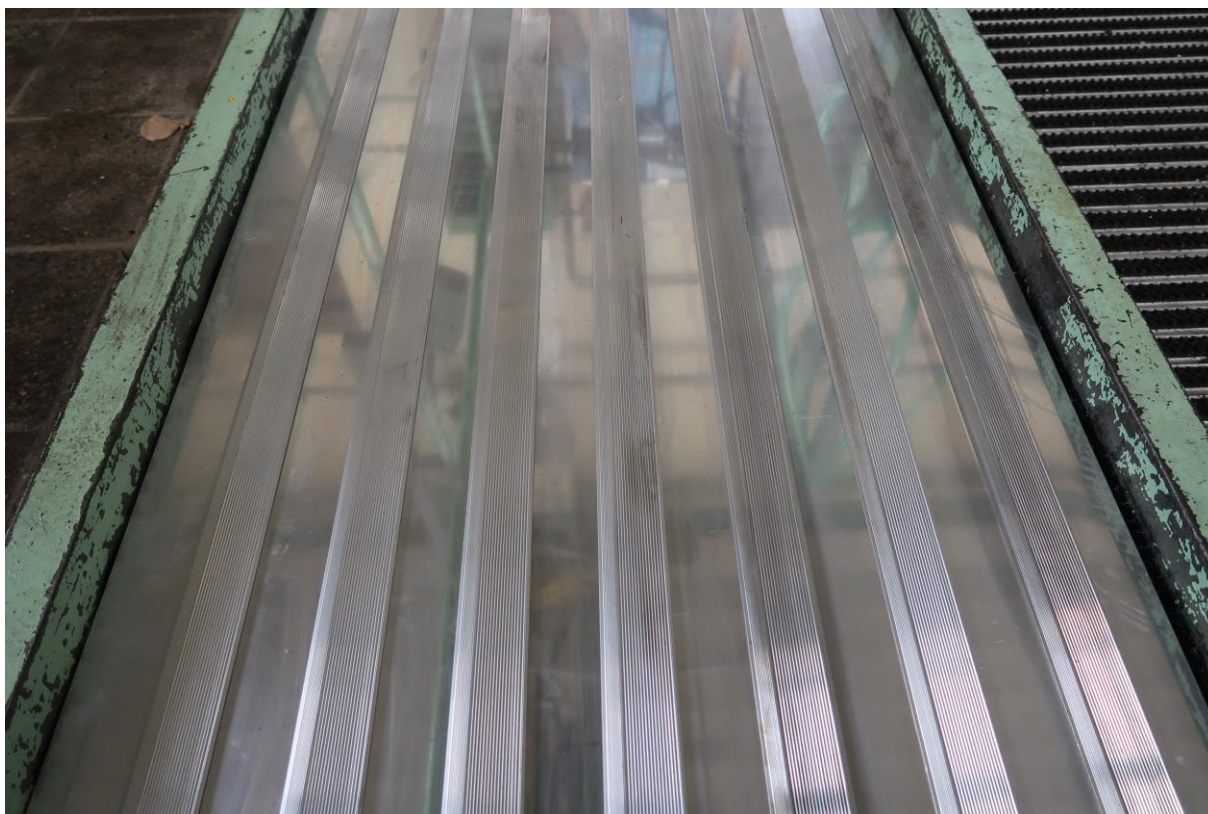
3 Sampling Method

- The test samples were supplied by the customer on 22nd July 2019.
The samples were recorded this way:

under no. sample	VZ030190615/1.	ALN2-90N in the perpendicular direction
	VZ030190615/2.	ALN2-90N in the longitudinal direction



No. VZ030190615/1. ALN2-90N in the perpendicular direction



No. VZ030190615/2. ALN2-90N in the longitudinal direction

4 Testing Procedures

DIN 51130: 2014

Testing of floor coverings determination of anti-slip properties Workrooms and fields of activities with slip danger – walking method – ramp test

P CEN/TS 16165: 2013

Determination of slip resistance of pedestrian surfaces – Methods of evaluation

ČSN 73 4130:2010

Stairways and sliding ramps - Basic requirements

5 Measurements and Tests

- **Determination of slipperiness – walking methods – ramp test (shoe method)
DIN 51130, P CEN/TS 16165 (annex B)**

Testing samples	Critical angle of slip classification according to DIN 51130, P CEN/TS 16165 (annex B)
No. VZ030190615/1. ALN2-90N in the perpendicular direction	18,6° R10
No. VZ030190615/2. ALN2-90N in the longitudinal direction	12,7° R10

6 Conclusion

Based on the results of the test pursuant to **DIN 51130, P CEN/TS 16165 (annex B)**, the tested samples of **aluminium profile ALN2-90N for staircase edges** supplied samples in a perpendicular direction and in the longitudinal direction, produced by OLEJÁR, spol. s r.o., Priemyselná 4265, 085 01 Bardejov, Slovakia classified **in class R10**.

ALN2-90N in perpendicular direction are **in accordance** to the requirements stated in art. 7.3.3, 7.3.5 ČSN 73 4130 Staircases and sloping ramps - Basic requirements according to the Decree on technical requirements for products No. 268/2009 Coll. (2), (3) for floors for parts of buildings used by the public, which have to comply angle of slipperiness no less than 10 ° on the walking surface of the steps and angle of slipperiness no less than 13 ° on the front edge of the stairs.

It should be pointed out that to ensure proper slip resistance function of flooring in the sense of stated conclusion, it is needed to maintain surface in clean conditions and without significant wear. Other properties were not subject to testing.

END OF REPORT