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Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

CERTIFICATE OF ACCREDITATION

No. 273/2025

Silniční vývoj - ZDZ spol. s r.o.
with registered office Jílkova 1634/76, Židenice, 615 00 Brno
Company Registration No. 64507181

for the Testing Laboratory No. 1182
Testing Laboratory

Scope of accreditation:

Testing in the field of road marking, paints, vertical traffic signs, traffic devices, warning lights and light signals, retro-reflective registration plates, high visibility clothing and visibility accessories to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 101/2024 of 01/03/2024, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **16/07/2026**

Prague: 05/06/2025



Signed in the Czech original:
Zdeňka Drdová on 05/06/2025

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute

This translation of the Czech original has been issued by: Eliška Frycová

**The Appendix is an integral part of
Certificate of Accreditation No: 273/2025 of 05/06/2025**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

Silniční vyvoj – ZDZ spol. s r.o.
CAB number 1182, Testing Laboratory
Jílkova 1634/76, Židenice, 615 00 Brno

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1*	Measurement of chromaticity coordinates and luminance factor	SOP 1 (ČSN EN 1436; ČSN EN 12899-1; CIE 15:2004; ČSN EN 12899-3; ČSN 73 7030; ČSN EN 13422; ČSN EN 12966+A1; ČSN EN 1423; ISO 7724/2:1984; ČSN 011718; ISO 7591; ČSN EN ISO 20471; EAD 120001-01-0106; ASTM E 2301-12:2012; ČSN 73 7032; ČSN EN 1871; ČSN 73 7018; XP P 98-502:2019; ČSN EN 17353)	Applied road marking materials, horizontal road marking, vertical traffic signs, traffic control devices, anti-skid aggregates, paints and varnishes, retroreflective registration plates, high visibility clothing, enhanced visibility equipment	-
2*	Measurement of coefficient of retroreflected luminance	SOP 2 (ČSN EN 1436)	Applied road marking materials, horizontal road marking, traffic control devices	-
3*	Measurement of skid resistance / antiskid properties	SOP 3 (ČSN EN 1436; ČSN EN 13036-4)	Applied road marking materials, horizontal road marking, road and airfield surfaces, traffic control devices, rampa	-
4*	Determination of wear index	SOP 4 (ČSN EN 1824)	Horizontal road marking	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
5*	Determination of drying time	SOP 5 (ČSN EN 1824; ASTM-D 711-89:1989)	Applied road marking materials, horizontal road marking	-
6*	Determination of wet film thickness of wet sprayed material	SOP 6 (ČSN EN 1824; ČSN EN 13197+A1)	Applied road marking materials, horizontal road marking	-
7*	Determination of film thickness	SOP 7 (ČSN EN ISO 2808; ČSN EN ISO 1461)	Applied road marking materials, vertical traffic signs, traffic control devices, paints and varnishes on ferromagnetic substrate	-
8*	Measurement of deformation under uniform load	SOP 8 (ČSN EN 12899-1; ČSN EN 12899-2)	Vertical traffic signs, traffic control devices	-
9	Reserved			
10*	Measurement of deformation under force load	SOP 10 (ČSN EN 12899-1; ČSN EN 12899-2; ČSN EN 12899-3; ČSN 73 7030; ČSN EN 13422)	Vertical traffic signs, traffic control devices	-
11	Reserved			

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
12*	Determination of impact resistance	SOP 12 (ČSN EN 12899-1; ČSN EN 12899-2; ČSN 73 7032; ČSN EN 12899-3; ČSN 73 7030; ČSN EN 12368 ed. 2; ČSN EN 12352; ČSN EN 13422; ČSN EN 12966+A1; ČSN EN ISO 6272-1; ČSN EN ISO 6272-2; ISO 7591)	Vertical traffic signs, traffic control devices, light signals, warning lights, retroreflective registration plates	-
13*	Measurement of deformation in torsion and bending	SOP 13 (ČSN EN 12899-2; ČSN 73 7032; ČSN EN 13422; ISO 7591)	Traffic control devices, retroreflective registration plates	-
14*	Measurement of pavement surface macrotexture depth by sand / volumetric method	SOP 14 (ČSN EN 1824:1999; ČSN EN 13036-1)	Road surfaces	-
15	Reserved			
16*	Measurement of luminance coefficient under diffused illumination	SOP 16 (ČSN EN 1436)	Applied road marking materials, horizontal road marking	-
17*	Measurement of coefficient of retroreflection	SOP 17 (ČSN EN 12899-1; ČSN EN 12899-3; ČSN 73 7030; ČSN 73 7032; ČSN EN 13422; CIE 54.2:2001; ISO 7591; ČSN EN ISO 20471; ČSN EN 17353; EAD 120001-01-0106; ASTM D 4956-13:2014; ASTM E 810-03:2003; XP P 98-502:2019)	Vertical traffic signs, traffic control devices, warning lights, retroreflective registration plates, high visibility clothing, enhanced visibility equipment	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
18*	Determination of durability	SOP 18 (ČSN EN 1463-2; ČSN 73 7018)	Traffic control devices	-
19*	Measurement of dimensions	SOP 19 (ČSN 73 7029; TP 156; TP 142; TP 217; TP 70)	Horizontal road marking, Vertical traffic signs, traffic control devices, light signals, warning lights, high visibility clothing, high visibility accessories	-
20*	Measurement of illumination, luminous intensity	SOP 20 (ČSN EN 12899-1; ČSN EN 12966+A1; ČSN EN 12368 ed. 2; ČSN EN 12352)	Vertical traffic signs, traffic control devices, light signals, warning lights	-
21*	Measurement of luminance and chromaticity	SOP 21 (ČSN EN 12899-1; ČSN EN 12899-3; ČSN 73 7030; ČSN EN 1463-1 ed.2; ČSN 73 7018; ČSN EN 12966+A1; ČSN EN 12368 ed. 2; ČSN EN 12352; ČSN EN 13422; ČSN 73 7029; ISO 7591; EAD 120001-01-0106; ASTM E811-09:2015)	Vertical traffic signs, light signals, warning lights, traffic control devices, retroreflective registration plates	-
22*	Measurement of radius of curvature	SOP 22 (ČSN 73 7029)	Traffic control devices	-
23	Determination of density by pycnometer	SOP 23 (ČSN EN ISO 2811-1)	Paints and varnishes	-
24	Determination of solid content by gravimetry	SOP 24 (ČSN EN 12802:2001; ČSN EN ISO 3251)	Road marking materials, paints and varnishes	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
25	Determination of binder content by gravimetry	SOP 25 (ČSN EN 12802:2001)	Road marking materials	-
26	Determination of titanium dioxide content by titration	SOP 26 (ČSN EN 12802:2001)	Road marking materials	-
27	Binder type identification by infrared spectrometry	SOP 27 (ČSN EN 12802:2001)	Road marking materials	-
28	Pigment and inorganic substance identification by infrared spectrometry	SOP 28 (ČSN EN 12802:2001)	Road marking materials	-
29	Determination of glass bead content by gravimetry	SOP 29 (ČSN EN 12802; ČSN EN 12802:2001)	Road marking materials	-
30	Determination of grain size	SOP 30 (ČSN ISO 2591-1)	Particulate material	-
31	Determination of refraction index	SOP 31 (ČSN EN 1423)	Glass beads	-
32	Determination of resistance to environmental factors	SOP 32 (ČSN EN 1423; ČSN EN 12899-3; ČSN 73 7030; ISO 7591; EAD 120001-01-0106)	Glass beads, traffic control devices, vertical traffic signs, retroreflective registration plates	-
33	Determination of share of defective beads	SOP 33 (ČSN EN 1423)	Glass beads	-
34	Determination of water-proof finish	SOP 34 (ČSN EN 1423)	Glass beads	-
35	Determination of flotation surface finish	SOP 35 (ČSN EN 1423)	Glass beads	-
36	Reserved			
37	Reserved			
38	Reserved			
39	Determination of scratch resistance	SOP 39 (ČSN EN 12899-2; ČSN 73 7032)	Traffic control devices	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
40	Determination of adhesion	SOP 40 (ČSN EN 13422; ISO 7591; EAD 120001-01-0106)	Traffic control devices, vertical traffic signs, retroreflective registration plates	-

¹ asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

³ the laboratory does not apply a flexible approach to the scope of accreditation

Explanatory notes:

SOP Standard Operation Procedure

VDZ Horizontal Road Marking

TP Technical Requirements of the Ministry of Transport of the Czech Republic

ASTM American Society for Testing and Materials

CIE The International Commission on Illumination

EAD European Assessment Document

XP French and European standard

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."