ROMANIAN ACCREDITATION ASSOCIATION – RENAR

Bucharest, Calea Vitan no. 242, sector 3, zip code 031301
CIF **RO 4311980**

RENAR is EA-MLA signatory for Testing.

ACCREDITATION CERTIFICATE
No. LI 535

Romanian Accreditation Association – RENAR, being recognized as National Accreditation Body by GO 23/2009, herewith attests that the organization:

QUALITY CERT SA

Bucharest, 94 Panduri Road, District 5

through

QUALITY-CERT SA Testing Laboratory
1. Testing Laboratory for construction materials
2. National Laboratory for Wood Industry and Furniture

fulfills the requirements of **SR EN ISO/IEC 17025:2018** and is competent to perform **TESTING** activities, as it is detailed in the Annexes of the present accreditation certificate.

This accreditation is maintained provided that the accreditation criteria established by the Romanian Accreditation Association – RENAR are met continuously.

The present certificate includes Annexes no. 1/28.12.2021 (3 pages) and no. 2/28.12.2021 (5 pages), which is an integrated part of this certificate.

The accreditation certificate is an essential accreditation document which might be periodically revised and issued by RENAR. The most recent version of the accreditation certificate is available on the website of RENAR, www.renar.ro.

Date of initial accreditation: 08.10.2007
Date of renewal the accreditation: 29.10.2019
Updated on: 28.12.2021
The accreditation is valid until: 28.10.2023

GENERAL DIRECTOR
Alina Elena TAINĂ

Asociația de Acreditare din România RENAR DIRECTOR GENERAL 2

PRESIDENT OF THE ACCREDITATION COUNCIL
PhD. eng. Dumitru DINU

The translation of this certificate was issued today, 26.08.2022.

Annex no. 1 to Accreditation Certificate no. LI 535
Annex no. 1 Issue Date: 28.12.2021

QUALITY CERT SA

through **Testing Laboratory for construction materials**

Bucharest, 52 Pipera Road, District 2

Tests performed on permanent sites

No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
(1)	(2)	(3)	(4)
	Physical methods		
1	Determination of particle size distribution	Mineral aggregates	SR EN 933-1:2012 PLA-QC-01
		Bituminous mixtures	SR EN 12697-2+A1:2019 PLM-QC-02
2	Determination of particle shape - flakiness index - shape index	Mineral aggregates	SR EN 933-3:2012 PLA-QC-02/01 SR EN 933-4:2008 PLA-QC-02/02
3	Determination of percentage of crushed and broken surfaces	Mineral aggregates	SR EN 933-5:2001 SR EN 933-5:2001/A1:2005 PLA-QC-03
4	Determination of shell content	Mineral aggregates	SR EN 933-7:2001 PLA-QC-04
5	Determination of the sand equivalent	Mineral aggregates	SR EN 933-8+A1:2015 PLA-QC-05
6	Determination of loose bulk density and voids	Mineral aggregates	SR EN 1097-3:2002 STAS 4606-80 PLA-QC-08/01
7	Determination of bulk density of bituminous specimens Determination of the reference density of bituminous specimens	Bituminous mixtures	SR EN 12697-6:2020 PLM-QC-03 AND 604/2016 PLB-QC-03/2
8	Determination of the density - as-received, water saturated, oven-dried - absolute net and gross dry density - dry density	Hardened concrete	SR EN 12390-7:2019 SR EN 12390-7:2019/AC:2021 PLB-QC-04
		Masonry units (except for natural stone)	SR EN 772-13:2001 PLZ-QC-02 PLZ-QC-03
		Autoclaved aerated concrete	SR EN 678:1996 PLBCA-QC-01
9	Determination of fineness	Cement	SR EN 196-6:2019, clause 3 PLC-QC-01
10	Determination of standard consistence	Cement	SR EN 196-3:2017, clause 5 PLC-QC-02
11	Determination of stability	Cement	SR EN 196-3:2017 PLC-QC-04
12	Determination of setting time	Cement	SR EN 196-3:2017 PLC-QC-03
		Granulated blast furnace slag	SR EN 15167-1:2007, clause 5.3.2.2 PL Zg – QC-02
13	Water tightness - jointing of channel units	Prefabricated drainage channels	SR EN 1433:2003, clause 7.5.1; 9.3.6

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No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
			SR EN 1433:2003/A1:2006 SR EN 1433:2003/AC:2006 PLB-QC-06.1
	Physico-mechanical methods		
14	Marshall test	Bituminous mixtures	SR EN 12697-34:2020 PLM-QC-06
15	Determination of freeze/thaw resistance	Mineral aggregates	SR EN 1367-1:2007 PLA-QC-09
		Hardened concrete	SR 3518:2009 PLB-QC-06
		Clay masonry units	SR EN 772-22:2019 PLZ-QC-05
		Autoclaved aerated concrete	SR EN 15304:2010 PLBCA-QC-03
		Granulated blast furnace slag	SR EN 15167-1:2007, clause 5.4.1 PLB-QC-06
16	Determination of dimensions and shape - dimensions - shape	Masonry units Autoclaved aerated concrete	SR EN 772-16:2011 PLZ-QC-01
17	Determinination the flatness	Masonry units Autoclaved aerated concrete	SR EN 772-20:2003 SR EN 772-20:2003/A1:2006 PLZ-QC-01
18	Determination of geometrical properties and surface characteristics	Precast concrete products	SR EN 13369:2018, clauses 4.3.1; 4.3.2 PL PR –QC-02
19	Determination of the net volume of and percentage of voids	Masonry units	SR EN 772-3:2000 PLZ-QC-09
20	Determination of the resistance to wear (micro-Deval)	Mineral aggregates	SR EN 1097-1:2011 PLA-QC-06
21	Determination of resistance to fragmentation (Los Angeles)	Mineral aggregates	SR EN 1097-2:2020 PLA-QC-07
22	Determination of compressive strength	Hardened concrete	SR EN 12390-3:2019 PLB-QC-01
		Moulded mortar	SR EN 1015-11:2020 PLMo-QC-01
		Blankets	SR EN 13892-2: 2003 PLS-QC-01
		Masonry units	SR EN 772-1+A1:2016 PLZ-QC-04
		Autoclaved aerated concrete	SR EN 679:2006 PLBCA-QC-02
		Granulated blast furnace slag	SR EN 15167-1:2007, clause 5.3.2.3 PLC-QC-05
		Cement	SR EN 196-1:2016 PLC-QC-05
23	Determination of the indirect tensile strength of bituminous specimens	Bituminous mixtures	SR EN 12697-23:2018 PLM-QC-07
24	Determination of the activity index	Granulated blast furnace slag	SR EN 15167-1:2007, clause 5.3.2.3 PL Zg-QC-01

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No.	Activity area / Working technique / Name of the test	Material / product / test object	Reference document
25	Determination of the flexural strength	Hardened concrete	SR EN 12390-5:2019 PLB-QC-02
		Moulded mortar	SR EN 1015-11:2020 PLMo-QC-01
		Blankets	SR EN 13892-2:2003 PLS-QC-01
		Cement	SR EN 196-1:2016 PLC-QC-05
26	Determination of the tensile splitting strength	Hardened concrete	SR EN 12390-6:2010 PLB-QC-03
27	Determination of the depth of penetration of water under pressure	Hardened concrete	SR EN 12390-8:2019 PLB-QC-05
28	Determination of the affinity between aggregate and bitumen	Bituminous mixtures	SR EN 12697-11:2020 PLM-QC-05
29	Determination of void characteristics of bituminous specimens.	Bituminous mixtures	SR EN 12697-8:2019 PLM-QC-04
30	Determination of the drying shrinkage	Autoclaved aerated concrete	SR EN 680:2006 PLBCA-QC-03
31	Determination of particle density and water absorption	Mineral aggregates	SR EN 1097-6:2013 SR EN 1097-6:2013/C91:2019 PLA-QC-08/02
32	Determination of water absorption. Initial rate of absorption	Precast concrete products	SR EN 13369:2018, art.5.1.2 PLP-QC-01
		Clay masonry units	SR EN 772-11:2011 PLZ-QC-06
	Physico – chemical methods		
33	Determination of potential presence of humus	Mineral aggregates	SR EN 1744-1+A1:2013 PLA-QC-11
34	Determination of soluble binder content	Bituminous mixtures	SR EN 12697-1:2020 PLM-QC-01
	Burning tests		
35	Determination of the effectiveness of fireproofing	Fireproofed wood	SR 652:2009 PL-LPL-QC-04/I-1 PL-LPL-QC-04/01
		Upholstery cover and filling material	SR EN 1021-1:2015 SR EN 1021-2:2015 PL-LPL-QC-04/I-1 PL-LPL-QC-04/02 PL-LPL-QC-04/03
		Vertically oriented textile material	SR EN ISO 6941:2004 PL-LPL-QC-04/I-1 PL-LPL-QC-04/01

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GENERAL DIRECTOR
Alina Elena TAINĂ

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