



**INSTITUT IMS AD  
BEOGRAD**

**Institute for testing materials a.d.  
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**PT PROVIDER IMS INSTITUTE REGISTER OF COMPETENCE CONFIRMATIONS**

S. №	Participant	Issuing date	№ of Confirmation	Programme (scheme) code	PT activity domain			Remarks
					Subject of testing/product	Testing method	Properties/parameters	
1.	Zavod za javno zdravlje Istarske županije, Služba za zdravstvenu ekologiju, Laboratorij za akustička mjerenja, Pula, Republic Croatia	24.09.15.	01/15	PIO BUK/a 01/15	Environmental noise level (traffic noise)	ISO 1996-2	$L_{Aeq}$ $L_{AE}$ $L_{AFmax}$ $L_{A5}$ $L_{A10}$ $L_{A50}$ $L_{A90}$ $L_{A95}$	z'-score
2.	Gradežen institut Makedonija a. d., Zavod Laboratorija – sektor ABK, Skopje, Republic Macedonia	20.11.15.	02/15	PIO CEM/fhm 01/15	Physical, chemical and mechanical properties of cement	EN 196-1 EN 196-2, a. 4 EN 196-3 EN 196-6, a. 3 & 4	prism mass flexural strength after 2, 7 & 28 days compressive strength after 2, 7 & 28 days standard consistency water content setting times soundness fineness by sieving method (mesh sieve of 90 & 45 $\mu$ m) fineness by Blaine method ignition loss $SiO_2$ content $Fe_2O_3$ content CaO content MgO content sulphate content insoluble residue in HCl/KOH & HCl/Na <sub>2</sub> CO <sub>3</sub> chlorine ion content	z'-score



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3.	Institut za puteve a. d., Zavod za građevinske materijale, Laboratorija za beton i veziva, Beograd, Republic Serbia	15.12.15.	03/15	PIO CEM/fhm 01/15	Physical, chemical and mechanical properties of cement	EN 196-1 EN 196-2, a. 4 EN 196-3 EN 196-6, a. 3 & 4	prism mass flexural strength after 2, 7 & 28 days compressive strength after 2, 7 & 28 days standard consistency water content setting times soundness fineness by sieving method (mesh sieve of 90 µm) fineness by Blaine method ignition loss SiO <sub>2</sub> content Al <sub>2</sub> O <sub>3</sub> content CaO content Na <sub>2</sub> O content K <sub>2</sub> O content sulphate content insoluble residue in HCl & Na <sub>2</sub> CO <sub>3</sub> chlorine ion content	z'-score
4.	Institut za zaštitu, ekologiju i obrazovanje, Tuzla, Bosnia and Herzegovina	15.04.16.	01/16	PIO KAG/fm 01/16	Physical and mechanical properties of stone aggregate	EN 933-1 EN 1097-2	particle size distribution of fractions: 0 ÷ 4 mm 8 ÷ 16 mm resistance to fragmentation by "Los Angeles" method	z-score
5.	OD Putna laboratorija 1957, Sarajevo, Bosnia and Herzegovina	18.04.16.	02/16	PIO KAG/fm 01/16	Physical and mechanical properties of stone aggregate	EN 933-1 EN 1097-2	particle size distribution of fractions: 0 ÷ 4 mm 4 ÷ 8 mm 8 ÷ 16 mm resistance to fragmentation by "Los Angeles" method	z-score



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6.	GEING Krebs und Kiefer International & others Ltd, Skopje, Republic Macedonia	25.04.16.	03/16	PIO KAG/fm 01/16	Mechanical properties of stone aggregate	EN 1097-2	resistance to fragmentation by "Los Angeles" method	z-score
7.	Centralni laboratorij "IGH" d.o.o., Mostar, Bosnia and Herzegovina	13.05.16.	04/16	PIO KAG/fm 01/16	Physical and mechanical properties of stone aggregate	EN 933-1 EN 1097-2	particle size distribution of fractions: 0 ÷ 4 mm 8 ÷ 16 mm resistance to fragmentation by "Los Angeles" method	z-score
8.	Cemex Hrvatska d.d., Odjeljenje osiguranja kvalitete, Kaštel Šućurac, Republic Croatia	06.02.17.	01/17	PIO CEM/h 01/16	Chemical properties of cement CEM II/A (S-L) 42.5 R	EN 196-2, a. 4 EN 196-2, a. 5	ignition loss, content of sulfate, SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> , CaO, MgO, CO <sub>2</sub> , Cl <sup>-</sup> , free CaO, and insoluble residue in HCl/KOH and HCl/Na <sub>2</sub> CO <sub>3</sub> content of sulfate, SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> , CaO, MgO, Na <sub>2</sub> O and K <sub>2</sub> O	z'-score, except for ignition loss and sulfate content (a.4) where z-score
9.	Building Research Institute – NISI Ltd., Testing Centre for Construction, Sofia, Bulgaria	06.02.17.	02/17	PIO OPC/f 03/16	Physical properties of clay bricks with vertical voids	EN 772-3 EN 772-11 EN 772-13 EN 772-21	net volume and percentage of voids initial rate of water absorption net and gross dry density water absorption by cold water	z'-score
10.	GEING Krebs und Kiefer International & others Ltd, Skopje, Republic Macedonia	06.04.17.	03/17	PIO BUK/a 01/16	Environmental noise level (indoors)	ISO 1996-2	L <sub>AeqT</sub> L <sub>Aeq 125 Hz, T</sub> L <sub>Aeq 500 Hz, T</sub> L <sub>Aeq 8kHz, T</sub>	z-score
11.	ADING a.d., Skopje, Republic Macedonia	26.04.17.	04/17	PIO KAG/fm 01/17	Physical properties of stone aggregate	EN 933-4	determination of particle shape – shape index	z-score
12.	CHIMAR HELLAS S.A., Thessaloniki, Greece	08.05.17.	05/17	PIO PIV/fm 01/17	Physical and mechanical properties of OSB chipboard	EN 310 EN 317 EN 321	modulus of elasticity and bending strength swelling in thickness moisture resistance	z'-score



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13.	Institut za zaštitu, ekologiju i obrazovanje d.d., Tuzla, Bosnia and Herzegovina	11.05.17.	06/17	PIO KAG/f 03/16	Physical properties of stone aggregate	EN 933-1	particle size distribution of fraction 0 ÷ 4 mm (except fraction 2 ÷ 4 mm)	z-score
14.	OD Putna laboratorija 1957, Sarajevo, Bosnia and Herzegovina	16.05.17.	07/17	PIO KAG/fm 01/17	Physical properties of stone aggregate	EN 933-4 EN 1097-3	determination of particle shape – shape index determination of loose bulk density	z-score
15.	Cemex Hrvatska d.d., Odjeljenje osiguranja kvalitete, Kaštel Šućurac, Republic Croatia	02.06.17.	08/17	PIO CEM/h 01/17	Chemical properties of cement CEM II/A (S-L) 42.5 R	EN 196-2, a. 4 EN 196-2, a. 5 EN 196-10	ignition loss, content of sulfate, CO <sub>2</sub> , Cl <sup>-</sup> ion, free CaO, and insoluble residue in HCl/KOH and HCl/Na <sub>2</sub> CO <sub>3</sub> content of sulfate, SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> , CaO, MgO, Na <sub>2</sub> O and K <sub>2</sub> O content of water-soluble chromium (VI)	z'-score, except for ignition loss where z-score
16.	ITM Sh.p.k., Tirane, Albania	15.06.17.	09/17	PIO BIT/fm 01/17	Physical properties of bitumen for road construction	EN 1427	determination of softening point – ring and ball method	z-score
17.	Institut za bezbednost i humanizaciju rada d.o.o., Novi Sad, Republic Serbia	10.07.17.	10/17	PIO BUK/a 01/17	Environmental noise level (indoors)	ISO 1996-2	L <sub>AeqT</sub> L <sub>Aeq</sub> 63 Hz,T L <sub>Aeq</sub> 125 Hz,T L <sub>Aeq</sub> 250 Hz,T L <sub>Aeq</sub> 500 Hz,T L <sub>Aeq</sub> 1 kHz,T L <sub>Aeq</sub> 2 kHz,T L <sub>Aeq</sub> 4 kHz, T L <sub>Aeq</sub> 8 kHz, T	z'-score



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18.	JSC Tyrimų laboratorija, Kretinga, Lithuania	10.07.17.	11/17	PIO ZIZ/a 01/17	Field measurement of airborne and impact sound insulation between rooms	EN ISO 16283-1 EN ISO 16283-2	apparent sound reduction index R' normalized impact sound level L' <sub>n</sub> (in the frequency range from 100 Hz to 5000 Hz by third octave frequency)	z'-score
19.	Institut za zaštitu, ekologiju i obrazovanje d.o.o., Tuzla, Bosnia and Herzegovina	28.08.17.	12/17	PIO BUK/a 01/17	Environmental noise level (indoors)	ISO 1996-2	L <sub>AeqT</sub> L <sub>Aeq 63 Hz,T</sub> L <sub>Aeq 125 Hz,T</sub> L <sub>Aeq 250 Hz,T</sub> L <sub>Aeq 500 Hz,T</sub> L <sub>Aeq 1 kHz,T</sub> L <sub>Aeq 2 kHz,T</sub> L <sub>Aeq 4 kHz, T</sub> L <sub>Aeq 8 kHz, T</sub>	z'-score
20.	LTM d.o.o., Oroslavje, Croatia	31.08.17.	13/17	PIO PPZ/p 01/17	Reaction to fire - non-combustibility test of mineral wool	EN ISO 1182	$\Delta T_f$ $\Delta T_c$ $\Delta T_s$ $t_f$	z-score z'-score z'-score z-score
21.	Rail System Testing GmbH, Hennigsdorf, Germany	11.09.17.	14/17	PIO PPZ/p 01/17	Reaction to fire - non-combustibility test of mineral wool	EN ISO 1182	$\Delta T_f$ $\Delta T_c$ $\Delta T_s$ $\Delta m$ $t_f$	z-score z'-score z'-score z-score z-score
22.	Forschungsinstitut für Anorganische Werkstoffe-Glass/Keramik GmbH, Hoehr-Grenzhausen, Germany	18.11.17.	15/17	PIO KER/fm 01/17	Water absorption of ceramic tiles	EN ISO 10545-3	boiling method vacuum method	z'-score z'-score



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23.	Fabrika cementa Lukavac, Lukavac, Bosnia and Herzegovina	08.12.17.	16/17	PIO CEM/fm 02/17	Physical and mechanical properties of cement	EN 196-1 EN 196-3 EN 196-6, a. 3 & 4	prism mass flexural strength after 2, 7 & 28 days compressive strength after 2, 7 & 28 days standard consistency water content setting times soundness fineness by sieving method (mesh sieve of 45 µm and 90 µm) fineness by Blaine method	z'-score z'-score z-score z-score z'-score z'-score
24.	IMN „TEST-BETON“ sh.p.k., Klokot, Kosovo	27.12.17.	17/17	PIO CEM/fm 02/17	Physical and mechanical properties of cement	EN 196-1	prism mass flexural strength after 2, 7 & 28 days compressive strength after 2, 7 & 28 days	z'-score z'-score z-score
25.	Industrial Research Institute, Beirut, Lebanon	30.05.18.	01/18	PIO KER/f 01/18	Linear thermal expansion of ceramic tiles	EN ISO 10545-8	determination of linear thermal expansion	z'-score



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26.	Belgian Building Research Institute, Bruxelles, Belgium	06.06.18.	02/18	PIO TIZ/fm 01/18	Physical and mechanical properties of thermal insulation in buildings	EN 822 EN 823  EN 824 (longitudinally and transversely) EN 825 EN 826  EN 1603, Methods A & C  EN 1604  EN 1605  EN 12089	determination of length and width determination of thickness  determination of squareness  determination of flatness determination of compression behaviour dimensional stability under laboratory conditions  dimensional stability under specified conditions  deformation under specified compressive load & temperature conditions determination of bending behaviour	z- score z- score  z- score z- score  z'- score (length) z- score (width) z'- score (length) z'- score (width) z- score (thickness) z'- score  z- score
27.	CEMEX Cement, k.s., Pardubice, Czech Republic	11.06.18.	03/18	PIO KAG/f 02/17	Physical properties of stone aggregate	EN 933-1	particle size distribution of fraction 0 ÷ 16 mm	z- score
28.	Rafinerija nafte Brod, Brod, Bosnia and Herzegovina	02.07.18.	04/18	PIO BIT/f 01/18	Physical properties of bitumen	EN 1426 EN 1427 EN 15326 + A1	determination of needle penetration determination of softening point measurement of density and specific gravity	z'- score z'- score z'- score



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29.	Lafarge Beočinska fabrika cementa d.o.o., Beočin, Serbia	03.07.18.	05/18	PIO CEM/h 01/18	Chemical properties of cement CEM I 52,5R	EN 196-2 a.4 EN 196-2 a.5	loss on ignition, chlorine ions content content of SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Cr <sub>2</sub> O <sub>3</sub> , Na <sub>2</sub> O, K <sub>2</sub> O and MnO	z'- score z'- score
30.	Doha Techical Laboratories, Doha, Qatar	03.07.18.	06/18	PIO CEM/h 01/18	Chemical properties of cement CEM I 52,5R	EN 196-2 a.4 EN 196-2 a.5	loss on ignition, chlorine ions content , SO <sub>3</sub> content, insoluble residue in HCl/Na <sub>2</sub> CO <sub>3</sub> content of SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Cr <sub>2</sub> O <sub>3</sub> , Na <sub>2</sub> O, K <sub>2</sub> O and MnO	z'- score z'- score
31.	Miphem d.o.o., Belgrade, Serbia	05.07.18.	07/18	PIO OTP/h 01/18	Solid waste (CRM) – Determination of elemental composition by X-ray fluorescence	EN 15309	content of Al, Cd, Cr, Fe, Pb, Mn, Ni and Zn	z-score
32.	Malta Competition and Consumer Affairs Authority – MCCA, Mosta, Malta	10.07.18.	08/18	PIO BIT/f 01/18	Physical properties of bitumen	EN 1426	determination of needle penetration	z'-score
33,	Cemex Hrvatska d.d., Odjeljenje osiguranja kvalitete, Kaštel Šućurac, Croatia	11.07.18.	09/18	PIO CEM/h 01/18	Chemical properties of cement CEM I 52,5R	EN 196-2 a.4 EN 196-2 a.5	loss on ignition, chlorine ions content ,CO <sub>2</sub> and SO <sub>3</sub> content, insoluble residue in HCl/Na <sub>2</sub> CO <sub>3</sub> content of SiO <sub>2</sub> , Al <sub>2</sub> O <sub>3</sub> , Fe <sub>2</sub> O <sub>3</sub> , CaO, MgO, SO <sub>3</sub> , Na <sub>2</sub> O i K <sub>2</sub> O	z'-score z'-score





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34.	IMS Institute a.d., Centralna laboratorija za ispitivanje materijala, Belgrade, Serbia	11.07.18.	10/18	PIO OTP/h 01/18	Solid waste (CRM) – Determination of elemental composition by X-ray fluorescence	EN 15309	content of Al, Ba, Cd, Ca, Cr, Cu, Pb, Mg, Mn, Ni, K, Ag, Na and Zn	z-score
					Eluat based on ash - Determination of selected elements by inductively coupled plasma optical emission spectrometry (ICP-OES)	EN ISO 11885	content of Al, As, Ba, B, Ca, Li, Mg, K, Si, Na, Sr, S and V	z'-score
35.	National Environmental Agency, Tirane, Albania	25.07.18.	11/18	PIO BUK/a 01/18	Environmental noise level (indoors)	ISO 1996-1 ISO 1996-2	$L_{Aeq,T}$	z-score
36.	IGH d.o.o. Mostar, Centralni laboratorij, Mostar, Bosnia and Herzegovina	05.10.18.	12/18	PIO KAG/fm 01/18	Physical and mechanical properties of stone aggregate	EN 933-4 EN 1097-1	Shape index Resistance to wear (micro-Deval)	z'-score
37.	Institut za gradjevinarstvo „IG“, Banja Luka, Bosnia and Herzegovina	23.10.18.	13/18	PIO KAG/fm 01/18	Physical properties of stone aggregate	EN 933-4	Shape index	z'-score
38.	LTM d.o.o., Oroslavje, Croatia	05.11.18.	14/18	PIO PPZ/p 01/18	Reaction to fire - non-combustibility test of mineral wool	EN ISO 1182	$\Delta T_f$ $\Delta T_c$ $\Delta T_s$ $\Delta m$ $t_f$	z'-score



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39.	Fabrika cementa Lukavac, Lukavac, Bosnia and Herzegovina	20.11.18.	15/18	PIO CEM/fm 02/18	Physical and mechanical properties of cement	SRPS B.C8.023	bulk density prism mass	z'-score
						EN 196-1	flexural strength after 2, 7 & 28 days compressive strength after 2, 7 & 28 days	z-score
						EN 196-3	standard consistency water content setting times soundness	z-score
						EN 196-6, a. 3 & 4	fineness by sieving method (mesh sieve of 45 µm and 90 µm) fineness by Blaine method	z'-score
40.	Entwicklungs- und Prüflabor Holztechnologie GmbH, Dresden, Germany	27.11.18.	16/18	PIO PIV/fhm 01/18	Chemical properties of wood-based panels	EN ISO 12460-5	Determination of formaldehyde release – Extraction method (called the perforator method)	z'-score
41,	ITM Sh.p.k., Tirana, Albania	24.12.18.	17/18	PIO CEM/fm 02/18	Mechanical properties of cement	EN 196-1	compressive strength after 7 & 28 days	z-score