INSTITUT IMS AD
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PT PROVIDER IMS INSTITUTE REGISTER OF ISSUED REPORTS

S. №	Programme (scheme) code	PT activity domain			Finite report code	Issuing date	№ of participants	Average score/Grade	№ of established nonconformities	Remarks
		Subject of testing/product	Testing method	Properties/parameters						
1.	PIO BUK/a 01/15	environmental noise level (outdoors)	ISO 1996-2	L_{Aeq} L_{AE} L_{AFmax} L_{A5} L_{A10} L_{A50} L_{A90} L_{A95}	PIO BUK/a № 01/15	21.09.15.	7	0.77/88.4	2	z'-score
2.	PIO CEM/fhm 01/15	cement CEM I 42,5 R	EN 196-1	weight of prism	PIO CEM/fhm № 01/15	15.10.15.	7	0.74/88.9	-	z'-score
				bending strength (after 2,7 & 28 days)			8	0.84/87.4	-	
				compressive strength (after 2,7 & 28 days)			10	0.76/88.6	-	
			EN 196-2, t. 4	wet chemistry chemical analyses			8	0.76/88.7	6	
			EN 196-2, t. 5	XRF spectroscopy chemical analyses			3	0.53/92.0	-	
			EN 196-3	standard consistency water content			8	0.83/87,6	-	
				setting time			8	0,63/90.5	-	
				soundness			8	0.91/86.3	-	
			EN 196-6, t. 3	sieving analyses (90 µm)			8	0.80/88.0	-	
				sieving analyses (45 µm)			5	1.12/83.2	1	
			EN 196-6, t. 4	air permeability method - Blaine			7	0.70/89.5	-	

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3.	PIO KER/fm 01/15	glazed ceramic tiles	EN ISO 10545-3, a. 5.1.1	water absorption	PIO KER/fm № 01/15	01.12.15.	5	1.50/77.5	2	z'-score
			EN ISO 10545-4	modulus of rupture			4	0.68/89.9	-	
				breaking strength				1.05/84,3	1	
4.	PIO OPC/f 01.1/15	clay bricks	EN 772-3	net volume & percentage of voids	PIO OPC/f № 01.1/15	08.02.16.	3	0.78/88.3	1	z'-score
			EN 772-11	initial rate of water absorption			4	0.70/89.5	-	
			EN 772-13, t. 7.2	net dry density			4	1.30/80.5	1	
			EN 772-13, t. 7.3	gross dry density				0.93/86.1	-	
			EN 772-16	dimensions			4	0.79/88.2	-	
			EN 772-21	water absorption			3	1.33/80.1	1	
5.	PIO KAG/fm 01/16	natural stone aggregate	EN 933-1	particle size distribution of grain size 0 ÷ 16 mm	PIO KAG/fm № 01/16 - withdrawn	08.04.16.	24	1.06/84.1	33	z-score
			EN 1097-2	resistance to fragmentation – Los Angeles method			18	0.77/88.4	-	
6.	PIO KAG/fm 01/16	natural stone aggregate	EN 933-1	particle size distribution of grain size 0 ÷ 16 mm	PIO KAG/fm № 01/16 - corrected	12.04.16.	24	1.03/84.5	31	z-score
			EN 1097-2	resistance to fragmentation – Los Angeles method			18	0.77/88.4	-	
7.	PIO OPC/fm 01/16	clay roof tiles	EN 538	flexural strength test	PIO OPC/mf № 01/16	13.06.16.	4	0.85/87.2	-	z'-score
			EN 539-2	test for frost resistance			2	-/-	-	-

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8.	PIO OPC/m 02/16	clay masonry units	EN 772-1	compressive strength	PIO OPC/m № 02/16	29.07.16.	6	0.93/86.0	-	z'-score
9.	PIO BUK/a 01/16	environmental noise level (indoors)	ISO 1996-2	L_{Aeq}	PIO BUK/a № 01/16	08.08.16.	15	0.79/88.1	-	z-score
				$L_{Aeq, 63\ Hz, 1\ min}$			12	1.45/78.2	3	
				$L_{Aeq, 125\ Hz, 1\ min}$			13	1.15/82.8	2	
				$L_{Aeq, 250\ Hz, 1\ min}$				1.35/79.8	4	
				$L_{Aeq, 500\ Hz, 1\ min}$				0.82/87.7	1	
				$L_{Aeq, 1\ kHz, 1\ min}$				1.44/78.4	4	
				$L_{Aeq, 2\ kHz, 1\ min}$				1.52/77.3	5	
				$L_{Aeq, 4\ kHz, 1\ min}$				1.72/74.3	6	
				$L_{Aeq, 8\ kHz, 1\ min}$				1.31/80.4	3	
10.	PIO CEM/h 01/16	CEM II/A-M (S-L) 42,5 R	EN 196-2, a. 4	wet chemistry chemical analyses	PIO CEM/h № 01/16	22.08.16.	11	0.76/88.5	6	z'-score
			EN 196-2, a. 5	XRF spectroscopy chemical analyses			8	0.85/87.2	10	
			EN 196-10	water soluble Cr (VI) content			6	1.00/85.0	1	
11.	PIO PPZ/p 01/16	mineral wool	EN ISO 1182	ΔT_f	PIO PPZ/p № 01/16	21.10.16.	5	0.92/86.2	1	z'-score
				ΔT_c				1.16/82.6	1	
				ΔT_s				1.15/82.8	1	
				Δm				1.08/83.8	1	
				t_f				0.00/100.0	-	

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		Subject of testing/product	Testing method	Properties/parameters						
12.	PIO ZIZ/a 02/16	airborne sound insulation between rooms	ISO 140-4	$R'_{100\ Hz}$	PIO ZIZ/a № 02/16	07.11.16.	3	0.87/87.0	-	z'-score
				$R'_{125\ Hz}$				0.53/92.0	-	
				$R'_{160\ Hz}$				1.50/77.5	1	
				$R'_{200\ Hz}$				1.50/77.5	1	
				$R'_{250\ Hz}$				1.40/79.0	1	
				$R'_{315\ Hz}$				0.40/94.0	-	
				$R'_{400\ Hz}$				0.47/93.0	-	
				$R'_{500\ Hz}$				0.77/88.5	-	
				$R'_{630\ Hz}$				0.73/89.0	-	
				$R'_{800\ Hz}$				0.60/91.0	-	
				$R'_{1000\ Hz}$				0.77/88.5	-	
				$R'_{1250\ Hz}$				1.13/83.0	1	
				$R'_{1600\ Hz}$				0.40/94.0	-	
				$R'_{2000\ Hz}$				0.53/92.0	-	
				$R'_{2500\ Hz}$				0.47/93.0	-	
				$R'_{3150\ Hz}$				0.60/91.0	-	
				$R'_{4000\ Hz}$				0.53/92.0	-	
				$R'_{5000\ Hz}$				0.37/94.5	-	
13.	PIO KAG/m 02/16	crushed stone aggregate for railway ballast	EN 1097-2 EN 13450, Annex C	resistance to fragmentation – Los Angeles method	PIO KAG/m № 02/16	29.11.16.	8	0.81/87.9	-	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
14.	PIO CEM/fm 02/16	cement CEM I 42,5 R	SRPS B.C8.023 (or appropriate)	bulk density	PIO CEM/fm № 02/16	29.12.16.	8	1,21/81,8	1	z'-score
			EN 196-1	weight of prism			11	0.73/89.1	-	z-score
				bending strength after 2 days			12	0.72/89.3		
				bending strength after 7 days				0,68/89,9	1	
				bending strength after 28 days				0,99/85,1	1	
				compressive strength after 2 days				1.25/81.3	3	z'-score
				compressive strength after 27 days				0.98/85.3	1	z-score
				compressive strength after 28 days				0.84/87.4	1	
			EN 196-3	standard consistency water content			12	0.94/85.9	1	
				setting time				0.89/86.6	1	
				soundness				1.12/87.4	2	
			EN 196-6	sieving analyses (90 µm)			10	1.38/79.3	4	z'-score
				sieving analyses (45 µm)			6	0.87/87.0	1	
				air permeability method - Blaine			8	1.31/80.3	2	

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15.	PIO KER/fm 01/16	unglazed ceramic tiles	EN ISO 10545-2	sides dimensions	PIO KER/fm № 01/16 - withdrawn	18.01.17.	8	1.40/79.0	3	z'-score
				thickness				1.18/82.4	1	
			EN ISO 10545-4	modulus of rupture				0.89/86.7	1	
				breaking strength				1.19/82.2	2	
			EN ISO 10545-6	resistance to deep abrasion			6	0.70/89.5	-	
16.	PIO KER/fm 01/16	unglazed ceramic tiles	EN ISO 10545-2	sides dimensions by plucometro	PIO KER/fm № 01/16 - corrected	26.01.17.	6	1.03/84.5	-	z'-score
				sides dimensions by sliding gauge			3	1.33/80.0	1	
				thickness			8	1.26/81.1	2	
			EN ISO 10545-4	modulus of rupture				0.89/86.7	1	
				breaking strength				1.19/82.2	2	
			EN ISO 10545-6	resistance to deep abrasion			6	0.70/89.5	-	
17.	PIO OPC/f 03/16	clay brick with vertical voids	EN 772-3	net volume	PIO OPC/f № 03/16	01.02.17.	5	0.48/92.8	-	z'-score
				percentage of voids				0.76/88.6	-	
			EN 772-11	initial rate of water absorption			8	1.90/71.5	4	
			EN 772-13	gross density			7	0.50/92.5	-	
				net density				0.57/91.4	-	
			EN 772-16	length			6	0.75/88.8	-	
				width				0.73/89.0	-	
				height				0.75/88.8	-	
			EN 772-21	water absorption				0.62/90.8	-	
18.	PIO KAG/f 03/16	crushed stone aggregate	EN 933-1	particle size distribution of grain size 0 ÷ 4 mm	PIO KAG/f № 03/16	13.02.17.	12	1.05/84.3	17	z-score (except z' for 2 ÷ 4 mm)

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19.	PIO KAG/fm 01/17	natural stone aggregate	EN 933-4	shape index	PIO KAG/fm № 01/17	10.04.17.	22	0.88/86.8	2	z-score
			EN 1097-1	micro-Deval index			8	0.64/90.4	-	z'-score
			EN 1097-3	loose bulk density			11	1.01/84.8	5	
20.	PIO PIV/fm 01/17	OSB chipboard	EN 310	bending strength	PIO PIV/fm № 01/17	03.05.17.	5	0.95/85.8	2	z'-score
				modulus of elasticity in bending				0.61/90.9	-	
			EN 317	swelling in thickness after immersion in water			6	0.65/90.3	-	
			EN 321	moisture resistance			4	0.90/86.5	-	
21.	PIO CEM/h 01/17	cement CEM II/A-M (S-L) 42,5 R	EN 196-2, a. 4	wet chemistry chemical analyses	PIO CEM/h № 01/17	31.05.17.	12	0,78/88,3	9	z'-score, except ignition loss (z-score)
			EN 196-2, a. 5	XRF spectroscopy chemical analyses			6	0,75/88,8	5	
			EN 196-10	water soluble Cr (VI) content			4	1,10/83,9	1	
22.	PIO BIT/f 01/17	bitumen for roads	EN 1426	needle penetration	PIO BIT/f № 01/17	05.06.17.	12	0.87/87.0	2	z-score except for density (z'-score)
			EN 1427	softening point			14	0.61/90.9	-	
			EN 15326	density			6	1.13/83.1	1	
23.	PIO BUK/a 01/17	environmental noise level (indoors)	ISO 1996-2	L_{Aeq}	PIO BUK/a № 01/17	09.06.17.	7	0.60/0.90	-	z'-score
				$L_{Aeq, 63\ Hz, 1\ min}$				0.53/92.1	-	
				$L_{Aeq, 125\ Hz, 1\ min}$				0.94/85.9	-	
				$L_{Aeq, 250\ Hz, 1\ min}$				0.43/93.6	-	
				$L_{Aeq, 500\ Hz, 1\ min}$				0.60/0.90	-	
				$L_{Aeq, 1\ kHz, 1\ min}$				1.64/75.4	3	
				$L_{Aeq, 2\ kHz, 1\ min}$				1.03/84.6	1	
				$L_{Aeq, 4\ kHz, 1\ min}$				0.93/86.1	1	
				$L_{Aeq, 8\ kHz, 1\ min}$				0.99/85.2	1	

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24.	PIO ZIZ/a 01/17	field measurement of airborne sound insulation	EN ISO 16283-1	$R'_{100\ Hz}$ $R'_{125\ Hz}$ $R'_{160\ Hz}$ $R'_{200\ Hz}$ $R'_{250\ Hz}$ $R'_{315\ Hz}$ $R'_{400\ Hz}$ $R'_{500\ Hz}$ $R'_{630\ Hz}$ $R'_{800\ Hz}$ $R'_{1000\ Hz}$ $R'_{1250\ Hz}$ $R'_{1600\ Hz}$ $R'_{2000\ Hz}$ $R'_{2500\ Hz}$ $R'_{3150\ Hz}$ $R'_{4000\ Hz}$ $R'_{5000\ Hz}$	PIO ZIZ/a № 01/17	07.07.17.	4	0.48/92.9 0.73/89.1 0.45/93.3 0.30/95.5 0.33/95.1 0.45/93.3 0.63/90.6 0.38/94.4 0.50/92.5 0.38/94.4 0.28/95.9 0.88/86.9 0.73/89.1 0.35/94.8 0.30/95.5 0.50/92.5 0.53/92.1 0.68/89.9	- - - - - - - - - - - 1 - - - - - -	z'-score

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24.	PIO ZIZ/a 01/17	field measurement of impact sound insulation	EN ISO 16283-2	$L'_{n,\ 100\ Hz}$ $L'_{n,\ 125\ Hz}$ $L'_{n,\ 160\ Hz}$ $L'_{n,\ 200\ Hz}$ $L'_{n,\ 250\ Hz}$ $L'_{n,\ 315\ Hz}$ $L'_{n,\ 400\ Hz}$ $L'_{n,\ 500\ Hz}$ $L'_{n,\ 630\ Hz}$ $L'_{n,\ 800\ Hz}$ $L'_{n,\ 1000\ Hz}$ $L'_{n,\ 1250\ Hz}$ $L'_{n,\ 1600\ Hz}$ $L'_{n,\ 2000\ Hz}$ $L'_{n,\ 2500\ Hz}$ $L'_{n,\ 3150\ Hz}$ $L'_{n,\ 4000\ Hz}$ $L'_{n,\ 5000\ Hz}$	PIO ZIZ/a № 01/17	07.07.17.	6	0.48/92.8 0.70/89.5 0.47/93.0 0.52/92.3 0.77/88.5 0.58/91.3 0.55/91.8 0.52/92.3 0.63/90.5 0.55/91.8 0.47/93.0 0.82/87.8 0.48/92.8 0.98/85.3 0.65/90.3 0.82/87.8 0.52/92.3 0.57/91.5	- - - - - - - - - - - - - 1 1 1 - -	z'-score
25.	PIO OPC/m 01/17`	clay brick	EN 772-1	compressive strength (grinding preparation)	PIO OPC/m № 01/17	17.08.17.	4	0.55/91.2	-	z'-score
				compressive strength (leveling with mortar)			5	0,50/92.5	-	
26.	PIO PPZ/p 01/17	mineral wool	EN ISO 1182	ΔT_f	PIO PPZ/p № 01/17	25.08.17.	12	0.86/87.1	1	z-score
				ΔT_c			7	1.03/84.6	1	z'-score
				ΔT_s			10	0.72/89.2	-	z'-score
				Δm			12	0.70/89.5	1	z-score
				t_f				0.00/100.0	-	

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27.	PIO CEM/fm 02/17	cement CEM I 42.5R	SRPS B.C8.023	bulk density	PIO CEM/fm № 02/17	27.10.17.	4	0.63/90.4	-	z'-score
			EN 196-1	weight of prism			12	1.01/84.9	2	
				bending strength after 2 days			10	0.64/90.4	-	
				bending strength after 7 days				0.70/89.5	-	
				bending strength after 28 days				0.84/87.4	1	
				compressive strength after 2 days			16	0.93/86.0	2	z-score
				compressive strength after 27 days				0.94/85.8	2	
				compressive strength after 28 days				0.88/86.8	1	
			EN 196-3	standard consistency water content			11	0.87/86.9	1	z'-score
				beginning of setting time			15	0.71/89.3	-	z-score
				end of setting time			14	0.81/87.9	1	
				soundness				0.79/88.1	1	
			EN 196-6	sieving analyses (90 µm)			10	0.89/86.7	1	z'-score
				sieving analyses (45 µm)			9	1.14/82.2	2	
				air permeability method - Blaine			8	0.91/86.3	1	
			EN 196-8	heat of hydration			4	0.60/91.0	-	

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28.	PIO BUK/a 01/17	environmental noise level (outdoors)	ISO 1996-2	L_{Aeq}	PIO BUK/a № 02/17	06.11.17.	7	0.59/91.2	-	z'-score
				L_{AE}				0.56/91.6		
				L_{AFmax}				0.44/93.4		
				L_{AFmin}				0.63/90.6		
				L_{A5}			5	0.46/93.1		
				L_{A10}				0.46/93.1		
				L_{A50}				0.48/92.8		
				L_{A90}				0.48/92.8		
				L_{A95}				0.44/93.4		
29.	PIO KER/fm 01/17	glazed ceramic tiles	EN ISO 10545-2	sides dimensions	PIO KER/fm № 01/17	20.11.17.	6	0.48/92.8	-	z'-score
				thickness				0.57/91.4		
				center curvature			5	0.68/89.8		
				warpage				0.64/90.4		
				edges curvature				0.62/90.7		
				straightness of sides				0.66/90.1		
				deviation from rectangularity				0.50/92.5		
			EN ISO 10545-3	water absorption by boiling			9	0.64/90.4		
				water absorption by vacuum			4	0.55/91.7		
			EN ISO 10545-4	modulus of rupture			7	0.57/91.4		
				breaking strength				0.57/91.4		
30.	PIO KAG/f 02/17	natural stone aggregate	EN 933-1	particle size distribution of grain size 0 ÷ 16 mm	PIO KAG/f № 02/17	19.01.18.	24	0.78/88.3	19	z-score

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		Subject of testing/product	Testing method	Properties/parameters						
31.	PIO KER/f 01/18	glazed ceramic tiles	EN ISO 10545-8	linear thermal expansion	PIO KER/f № 01/18	27.04.18.	6	1,38/79,3	2	z'-score
32.	PIO TIZ/fm 01/18	thermal insulation in buildings	EN 822	length and width	PIO TIZ/fm № 01/18	25.05.18.	14	0,68/89,8 0,78/88,3	- length - width	z-score
			EN 823	thickness			14	0,32/95,2	-	z-score
			EN 824	squareness			13	0,70/89,5 0,85/87,2 1,03/84,5	- length 1 width 2 thickness	z-score
			EN 825	flatness			13	0,85/87,2	-	z-score
			EN 826	compression behaviour			16	0,88/86,7	2	z-score
			EN 1603, Methods A & C	dimensional stability under laboratory conditions			9	0,52/92,2 0,62/90,7	- length - width	z'-score (width) z-score (length)
			EN 1604	dimensional stability under specified conditions			11	0,70/89,5 0,81/87,9 0,56/91,5	1 length 1 width - thickness	z'-score
			EN 1605	deformation under specified compressive load & temperature conditions			9	0,67/90,0 0,69/89,7	- step A 1 step B	z'-score
			EN 12089	bending behaviour			12	0,60/91,0	-	z-score

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		Subject of testing/product	Testing method	Properties/parameters						
33.	PIO CEM/h 01/18	cement	EN 196-2 a.4	wet chemistry chemical analyses	PIO CEM/h № 01/18	11.06.18.	9	0.60/91.0	2	z'-score
			EN 196-2 a.5	XRF spectroscopy chemical analyses			6	0.80/88.0	5	z'-score
34.	PIO OTP/h 01/18	CRM solid waste (flying ash)	EN 15309	Determination of elemental composition by X-ray fluorescence	PIO OTP/h № 01/18	28.06.18.	4	1.38/79.3	17	z-score
		solid waste based on flying ash from eluate	EN ISO 11885	Determination of selected elements by influctively coupled plasma optical emission spectrometry (ICP-OES)			5	0.54/91.9	1	z'-score
35.	PIO BIT/f 01/18	bitumen for roads	EN 15326	Measurement of density and specific gravity – Capillary-stoppered pyknometer method	PIO BIT/f № 01/18	02.07.18.	3	0.47/93.0	-	z'-score
			EN 1426	Determination of needle penetration			9	0.70/89.5	-	z'-score
			EN 1427	Determination of softening point – Ring and Ball method			7	0.66/90.1	-	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
36.	PIO BUK/a 01/18	environmental noise level (indoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 01/18	23.07.18.	15	0.65/90.2	1	z-score
				$L_{Aeq,50Hz,1\ min}$			14	0.49/92.6	1	
				$L_{Aeq,63Hz,1\ min}$				0.73/89,0	1	
				$L_{Aeq,80Hz,1\ min}$				0.56/91.6	1	
				$L_{Aeq,100Hz,1\ min}$				0.64/90.4	1	
				$L_{Aeq,125Hz,1\ min}$				0.69/89.6	1	
				$L_{Aeq,160Hz,1\ min}$				0.55/91,7	1	
				$L_{Aeq,200Hz,1\ min}$				0.64/90.4	1	
				$L_{Aeq,250Hz,1\ min}$				0.64/90.4	1	
				$L_{Aeq,315Hz,1\ min}$				0.74/88.9	1	
				$L_{Aeq,400Hz,1\ min}$				0.67/89.9	1	
				$L_{Aeq,500Hz,1\ min}$				0.66/90.1	1	
				$L_{Aeq,630Hz,1\ min}$				0.61/90.8	-	
				$L_{Aeq,800Hz,1\ min}$				0.51/92.3	-	
				$L_{Aeq,1kHz,1\ min}$				0.45/93.2	-	
				$L_{Aeq,1,25kHz,1\ min}$				0.63/90.5	-	
				$L_{Aeq,1,6kHz,1\ min}$				0.63/90.5	-	
				$L_{Aeq,2kHz,1\ min}$				0.60/91.0	-	
				$L_{Aeq,2,5kHz,1\ min}$				0.53/92.0	-	
				$L_{Aeq,3,15kHz,1\ min}$				0.65/90.2	1	
				$L_{Aeq,4kHz,1\ min}$				0.75/88.7	-	
				$L_{Aeq,5kHz,1\ min}$				0.76/88.6	-	
				$L_{Aeq,6,3kHz,1\ min}$				0.79/88.1	1	
				$L_{Aeq,8kHz,1\ min}$				0.81/87.8	1	
				$L_{Aeq,10kHz,1\ min}$				0.68/89.8	-	
37.	PIO KAG/fm 01/18	natural stone aggregate	EN 933-4	shape index	PIO KAG/fm № 01/18	20.08.18.	7	0.95/85.7	1	z'-score
			EN 1097-1	micro-Deval index			4	0.40/94.0	-	

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		Subject of testing/product	Testing method	Properties/parameters						
38.	PIO PPZ/p 01/18	mineral wool	EN ISO 1182	ΔT_f	PIO PPZ/p № 01/18	19.10.18.	10	0.68/89.8	-	z'-score
				ΔT_c			8	0.51/92.3	-	
				ΔT_s			8	0.91/86.3	1	
				Δm			10	0.77/88.5	1	
				t_f				0.00/100.0	-	
39.	PIO CEM/fm 02/18	cement CEM II/A-M (S-L) 42.5R	SRPS B.C8.023	bulk density	PIO CEM/fm № 02/18	14.11.18.	8	0.64/90.4	-	z'-score
			EN 196-1	weight of prism			13	0.73/89.0	1	z-score
				bending strength 2 days				0.91/86.4	1	
				bending strength 7 days			12	0.68/89.9	-	
				bending strength 28 days			13	1.02/84.8	3	
				compressive strength 2 days			18	1.07/84.0	3	
				compressive strength 7 days			17	0.72/89.2	-	
				compressive strength 28 days			18	0.73/89.0	1	
			EN 196-3	standard consistency water content			13	0.66/90.1	-	
				beginning of setting time			15	0.75/88.7	-	
				end of setting time			14	0.71/89.4	-	
				soundness			14	0.86/87.0	1	
			EN 196-6	sieving analyses (90 µm)			11	0.88/86.8	1	z'-score
				sieving analyses (45 µm)			10	0.93/86.1	1	
				air permeability method - Blaine			8	0.64/90.4	-	

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		Subject of testing/product	Testing method	Properties/parameters						
40.	PIO PIV/fhm 01/18	uncovered wood-based panel	EN 311	surface soundness	PIO PIV/fhm № 01/18	21.11.18.	3	0.52/92.2	-	z'-score
			EN 317	swelling in thickness after immersion in water			5	0.56/91.6	-	
			EN 319	tensile strength perpendicular to plane of board			7	0.31/95.3	-	
			EN 321	moisture resistance under cyclic test conditions			4	0.41/93.8	-	
			EN ISO 12460-5	formaldehyde release			5	0.61/90.8	-	
41.	PIO KAG/f 02/18	natural stone aggregate grain size 4 ÷ 16 mm	EN 933-1	particle size 4 ÷ 8 mm content	PIO KAG/f № 02/18	18.01.19.	17	0.74/88.9	1	z-score
				particle size 8 ÷ 16 mm content				0.75/88.7	2	
42.	PIO BUK/a 03/17	source of noise	EN ISO 3744	sound power level of noise source	PIO BUK/a № 03/17	10.04.19.	12	0.88/86.8	2	z-score
43.	PIO OPC/f 01.1/18	clay pavers	EN 1344 Annex C	freeze/thaw resistance	PIO OPC/f № 01.1/18	11.04.19.	5	2.50	-	L-score
44.	PIO VPS/f 01.1/18	air permeability	EN ISO 9972	depressurization permeability on 50 Pa	PIO VPS/f № 01.1/18	14.05.19.	10	0.64/90.4	-	z'-score
				pressurization permeability on 50 Pa				0.78/88.3	-	
45.	PIO CEM/h 01/19	cement CEM II/A-L 42,5R	EN 196-2, a. 4	wet chemistry chemical analyses	PIO CEM/h № 01/19	31.05.19.	11	0.62/90.7	4	z'-score
			EN 196-2, a. 5	XRF spectroscopy chemical analyses			4	0.80/88.0	-	
			EN 196-10	water soluble Cr (VI)			7	0.63/90.6	-	

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		Subject of testing/product	Testing method	Properties/parameters						
46.	PIO BUK/a 01/19	environmental noise level (outdoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 01/19	10.06.19.	22	0.56/91.6	-	z-score
				L_{AFmax}				0.61/90.8	-	
				L_{AFmin}				0.69/89.6	2	
				L_{AF5}				0.63/90.5	-	
				L_{AF95}				0.63/90.5	1	
47.	PIO BIT/f 01/19	bitumen for roads	EN 1426	determination of needle penetration	PIO BIT/f № 01/19	14.06.19.	15	0.85/87.3	1	z-score
			EN 1427	determination of softening point – Ring and Ball method			14	0.84/87.5	2	
			EN 12593	determination of the Fraass breaking point			8	0.96/85.6	1	z'-score
48.	PIO BUK/a 02/19	occupational noise exposure	EN ISO 9612	level of occupational noise exposure normalized to 8-hour working day $L_{EX, 8h}$	PIO BUK/a № 02/19	01.07.19.	7	0.51/92.3	-	z'-score
49.	PIO KAG/fm 01/19	natural stone aggregate	EN 1097-2 a.5	resistance to fragmentation – Los Angeles method	PIO KAG/fm № 01/19	09.08.19.	16	0,69/89,6	-	z-score
			EN 1097-6 a.8	bulk density				0,56/91,6	-	z-score
				water absorption				0,75/88,8	1	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
50.	PIO BUK/a 03/19	environmental noise level (indoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 03/19	02.12.19.	8	0.52/92.2	-	z'-score
				$L_{Aeq, 63\ Hz, 1\ min}$			7	1.37/79.4	2	
				$L_{Aeq, 125\ Hz, 1\ min}$				1.06/84.1	2	z-score
				$L_{Aeq, 250\ Hz, 1\ min}$				1.06/84.1	2	
				$L_{Aeq, 500\ Hz, 1\ min}$				0.97/85.4	1	z'-score
				$L_{Aeq, 1\ kHz, 1\ min}$				1.33/83.7	2	
				$L_{Aeq, 2\ kHz, 1\ min}$				1.29/80.6	2	
				$L_{Aeq, 4\ kHz, 1\ min}$				1.26/81.1	2	
				$L_{Aeq, 8\ kHz, 1\ min}$				1.36/79.6	2	
51.	PIO CEM/fm 02/19	cement CEM I 42,5R	EN 196-1	prism mass	PIO CEM/fm № 02/19	09.12.19.	14	0,73/89,1	-	z-score
				flexural strength after 2 days			15	0,78/88,3	-	
				flexural strength after 7 days			15	0,74/88,9	-	
				flexural strength after 28 days			15	0,85/87,3	1	
				compressive strength after 2 days			23	0,84/87,3	2	
				compressive strength after 7 days			23	0,80/88,9	1	
				compressive strength after 28 days			23	0,99/85,1	3	
			EN 196-3	soundness			24	0,82/87,7	1	
				beginning of setting time			24	83,3/87,5	3	
				end of setting time			24	83,3/87,5	1	
				water content for the standard consistency			24	0,87/87,0	2	

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		Subject of testing/product	Testing method	Properties/parameters						
51.	PIO CEM/fm 02/19	cement CEM I 42,5R	EN 196-6	fineness of grind sieving on 90 µm sieve	PIO CEM/fm № 02/19	09.12.19.	16	1,39/79,1	5	z'-score
				fineness of grind sieving on 45 µm sieve			14	1,49/77,7	5	
				fineness of grind Blaine method			17	0,73/89,1	-	z-score
			EN 196-8	heat of hydration – solution method			6	0,68/89,8	1	z'-score
			EN 196-9	heat of hydration – semi-adiabatic method			3	0,47/93,0	-	
			SRPS B.C8.023	bulk density			7	0,97/85,4	1	
52.	PIO KAG/f 02/19	natural stone aggregate grain size 0 ÷ 8 mm	EN 933-1	particle size 0÷0,063 mm content	PIO KAG/f № 02/19	27.12.19.	21	1,40/0,79	5	z-score
				particle size 0,063÷0,125 mm content				0,93/86,1	3	
				particle size 0,125÷0,25 mm content				1,08/83,8	4	
				particle size 0,25÷0,5 mm content				1,00/84,9	4	
				particle size 0,5÷1 mm content				1,05/84,2	2	
				particle size 1÷2 mm content				1,06/84,1	3	
				particle size 2÷4 mm content				1,04/84,4	4	
				particle size 4÷8 mm content				0,91/86,3	4	

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		Subject of testing/product	Testing method	Properties/parameters						
53.	PIO VIP/f 01/19	single leaf PVC window 100x120 cm	EN 1026	air permeability	PIO VIP/f № 01/19	27.01.20.	8	0,80/88,0	-	z'-score
			EN 1027	water tightness				1,20/82,0	1	
			EN 12211	resistance to wind load				0,69/89,7	-	
54.	PIO TIZ/fm 01/19	thermal insulation in buildings	EN 826	compression behaviour	PIO TIZ/fm № 01/19	07.02.20.	4	1,13/83,1	1	z'-score
			EN 1603 Method A	dimensional stability - in length			7	0,65/90,3	-	
				dimensional stability - in width				0,43/93,6	-	
55.	PIO KER/f 01/19	ceramic tiles	DIN 51130	anti-slip property – ramp test	PIO KER/f № 01/19	20.02.20.	7	0,99/85,2	2	z'-score
56.	PIO KAG/fm 01/20	natural stone aggregate granulation of 4 ÷ 8 mm and 8 ÷ 16 mm	EN 933-3	flakiness index	PIO KAG/fm № 01/20	30.03.20.	18	0,59/91,2	1	z-score
			EN 933-4	shape index				0,87/86,9		z'-score
			EN 1097-1	resistance to wear – micro-Deval				0,63/90,6		z'-score
57.	PIO CEM/h 01.1/20	cement CEM I 42,5R	EN 196-2, a. 4	wet chemistry chemical analyses	PIO CEM/h № 01.1/20	17.07.20.	12	0,78/88,3	9	z'-score
			EN 196-2, a. 5	XRF spectroscopy chemical analyses			4	0,53/92,1	-	
			EN 196-10	water soluble Cr (VI)			7	1.05/84,3	-	

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		Subject of testing/product	Testing method	Properties/parameters						
58.	PIO OPC/f 01.1/20	clay brick with vertical voids	EN 772-3	net volume	PIO OPC/f № 01.1/20	27.07.20.	6	0,48/92,8	-	z'-score
				gross volume			6	0,58/91,3	-	
				percentage of voids			6	0,93/86,1	-	
			EN 772-11	initial rate of water absorption			6	0,33/95,1	-	z-score
			EN 772-13	gross density			7	0,67/89,9	-	z'-score
				net density			7	0,60/91,0	-	
			EN 772-16	length			8	0,29/95,7	-	z-score
				width			8	0,68/89,8	-	z'-score
				height			8	0,58/91,3	-	
			EN 772-21	water absorption			5	0,40/94,0	-	
59.	PIO BUK/a 01.1/20	environmental noise level (outdoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 01.1/20	30.07.20.	17	0,69/89,7	-	
				L_{AFmax}				0,76/88,6	-	
				L_{AFmin}				0,57/91,4	-	
				L_{AF5}				0,62/90,7	-	
				L_{AF95}				0,76/88,6	-	

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		Subject of testing/product	Testing method	Properties/parameters						
60.	PIO ZIZ/a 01.1/20	ceiling impact sound insulation	EN ISO 16283-1	$R'_{100\ Hz}$ $R'_{125\ Hz}$ $R'_{160\ Hz}$ $R'_{200\ Hz}$ $R'_{250\ Hz}$ $R'_{315\ Hz}$ $R'_{400\ Hz}$ $R'_{500\ Hz}$ $R'_{630\ Hz}$ $R'_{800\ Hz}$ $R'_{1000\ Hz}$ $R'_{1250\ Hz}$ $R'_{1600\ Hz}$ $R'_{2000\ Hz}$ $R'_{2500\ Hz}$ $R'_{3150\ Hz}$ $R'_{4000\ Hz}$ $R'_{5000\ Hz}$	PIO ZIZ/a № 01.1/20	10.08.20.	3	0,53/92,1 0,53/92,1 0,53/92,1 0,53/92,1 0,47/93,0 0,47/93,0 0,57/91,5 0,53/92,1 0,53/92,1 0,53/92,1 0,50/92,5 0,47/93,0 0,47/93,0 0,50/92,5 0,47/93,0 0,53/92,1 0,53/92,1 0,47/93,0	- - - - - - - - - - - - - - - - - -	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
60.	PIO ZIZ/a 01.1/20	ceiling impact sound insulation	EN ISO 16283-2	$L'_{n,\ 100\ Hz}$	PIO ZIZ/a № 01.1/20	10.08.20.	3	0,53/92,1	-	z'-score
				$L'_{n,\ 125\ Hz}$				0,50/92,5	-	
				$L'_{n,\ 160\ Hz}$				0,47/93,0	-	
				$L'_{n,\ 200\ Hz}$				0,53/92,1	-	
				$L'_{n,\ 250\ Hz}$				0,53/92,1	-	
				$L'_{n,\ 315\ Hz}$				0,53/92,1	-	
				$L'_{n,\ 400\ Hz}$				0,57/91,5	-	
				$L'_{n,\ 500\ Hz}$				0,47/93,0	-	
				$L'_{n,\ 600\ Hz}$				0,77/88,5	-	
				$L'_{n,\ 800\ Hz}$				0,53/92,1	-	
				$L'_{n,\ 1000\ Hz}$				0,47/93,0	-	
				$L'_{n,\ 1250\ Hz}$				0,53/92,1	-	
				$L'_{n,\ 1600\ Hz}$				0,53/92,1	-	
				$L'_{n,\ 2000\ Hz}$				0,47/93,0	-	
				$L'_{n,\ 2500\ Hz}$				0,53/92,1	-	
				$L'_{n,\ 3150\ Hz}$				0,53/92,1	-	
				$L'_{n,\ 4000\ Hz}$				0,47/93,0	-	
				$L'_{n,\ 5000\ Hz}$				0,50/92,5	-	
61.	PIO BIT/f 01.1/20	bitumen	EN 1426	needle penetration	PIO BIT/f № 01.1/20	18.08.20.	12	1,00/85,0	2	z'-score
			EN 1427	softening point				1,33/80,1	2	
62.	PIO BUK/a 02/20	environmental noise level (indoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 02/20	07.10.20.	9	0,50/92,5	-	z-score
				$L_{Aeq,\ 63\ Hz,\ 1\ min}$				1,47/77,9	3	z'-score
				$L_{Aeq,\ 125\ Hz,\ 1\ min}$				0,86/87,1	-	z'-score
				$L_{Aeq,\ 250\ Hz,\ 1\ min}$				0,48/92,8	-	z'-score
				$L_{Aeq,\ 500\ Hz,\ 1\ min}$				0,97/85,5	-	z'-score
				$L_{Aeq,\ 1\ kHz,\ 1\ min}$				1,03/84,6	-	z'-score
				$L_{Aeq,\ 2\ kHz,\ 1\ min}$				1,00/85,0	-	z'-score
				$L_{Aeq,\ 4\ kHz,\ 1\ min}$				1,03/84,6	-	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
63.	PIO KER/fm 01/20	glazed ceramic tiles	EN ISO 10545-2	sides dimensions	PIO KER/fm № 01/20	23.10.20.	4	0,50/92,5	-	z'-score
				thickness			4	0,55/91,8	-	
				center curvature			3	0,57/91,4	-	
				warpage			3	0,53/92,1	-	
				edges curvature			3	0,76/88,6	-	
				straightness of sides			3	0,90/86,5	-	
				deviation from rectangularity			3	0,53/92,1	-	
			EN ISO 10545-4	modulus of rupture			4	0,83/87,6	-	
				breaking strength			4	0,50/92,5	-	
64.	PIO KAG/f 02/20	stone aggregate	EN 933-1	particle size 4÷8 mm content	PIO KAG/f № 02/20	27.01.21.	32	0,96/85,6	1	z-score
				particle size 8÷16 mm content				0,92/86,2	1	
65.	PIO TIZ/fm 01/20	thermal insulation in buildings	EN 822	length and width	PIO TIZ/fm № 01/20	10.01.21.	7	0,64/90,4 1,04/84,4	1 length 1 width	z'-score
			EN 823	thickness			7	0,63/90,6	-	z'-score
			EN 824	squareness			6	0,88/86,8 0,80/88,0 0,65/90,2	1 length 1 width - thickness	z'-score
			EN 825	flatness			5	1,22/81,7	1	z'-score
			EN 826	compression behavior			6	0,78/88,3	1	z-score
			EN 12089	bending behavior			6	1,13/83,1	1	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
66.	PIO CEM/fm 02/20	cement CEM I 42,5R	EN 196-1	prism mass	PIO CEM/fm № 02/20	26.03.21.	10	0.76/83.9	1	z'-score
				flexural strength after 2 days			13	0.72/89.2	-	z-score
				flexural strength after 7 days				0.75/88.7	1	
				flexural strength after 28 days				0.74/88.9	1	
				compressive strength after 2 days			20	0.72/89.2	-	
				compressive strength after 7 days			19	0.77/88.4	1	
				compressive strength after 28 days			20	0.75/88.7	1	
			EN 196-3	soundness			19	0.58/91.3	-	z-score
				beginning of setting time			22	0.78/89.3	2	
				end of setting time				1.01/84.8	5	
				water content for the standard consistency			21	0.84/87.4	1	
			EN 196-6	fineness of grind sieving on 90 µm sieve			9	1.02/84.7	2	z'-score
				fineness of grind sieving on 45 µm sieve			10	1.14/82.9	2	
				fineness of grind Blaine method			14	1.21/81.8	3	
			SRPS B.C8.023	bulk density			7	1.07/83.9	1	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
67.	PIO CEM/h 01/21	cement CEM I 42,5R	EN 196-2, a. 4	wet chemistry chemical analyses	PIO CEM/h № 01/21	24.05.21.	12	0,90/86,5	6	z'-score (except loss on ignition)
			EN 196-2, a. 5	XRF spectroscopy chemical analyses			7	0,92/86,2	6	z'-score
			EN 196-10	water soluble Cr (VI)			7	0,91/86,4	-	z'-score
68.	PIO KAG/fm 01/21	natural stone aggregate	EN 1097-2 a.5	resistance to fragmentation – Los Angeles method	PIO KAG/fm № 01/21	01.06.21.	10	0,98/85,3	-	z'-score
			EN 1097-6 a.8	particle density			9	1,09/83,7	1	z'-score
				water absorption			9	0,98/85,3	1	
69.	PIO BUK/a 02/21	environmental noise level (outdoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 02/21	11.06.21.	12	0,50/92,5	-	z-score
				L_{AF5}				0,58/91,3	-	
				L_{AF10}				0,59/91,1	-	
				L_{AF50}				0,56/91,6	-	
				L_{AF90}				0,57/91,5	-	
				L_{AF95}				0,52/92,2	-	
70.	PIO BIT/f 01/21	bitumen	EN 1426	needle penetration	PIO BIT/f № 01/21	03.08.21.	12	1,15/82,8	1	z-score
			EN 1427	softening point			11	1,38/79,3	3	z'-score
71.	PIO OTP/h 01/21	CRM solid waste (flying ash)	EN 15309	Determination of elemental composition by X-ray fluorescence	PIO OTP/h № 01/21	07.09.21.	3	1,83/72,6	20	z-score

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		Subject of testing/product	Testing method	Properties/parameters						
72.	PIO BUK/a 04/21	environmental noise level (indoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 04/21	29.10.21.	9	0,40/94	-	z-score
				$L_{Aeq, 63\ Hz, 1\ min}$				1,93/71	5	z'-score
				$L_{Aeq, 125\ Hz, 1\ min}$				0,69/89,7	1	z-score
				$L_{Aeq, 250\ Hz, 1\ min}$				0,87/86,9	1	z'-score
				$L_{Aeq, 500\ Hz, 1\ min}$				1,08/83,8	-	z'-score
				$L_{Aeq, 1\ kHz, 1\ min}$				1,14/82,8	-	z'-score
				$L_{Aeq, 2\ kHz, 1\ min}$				1,05/84,2	-	z'-score
				$L_{Aeq, 4\ kHz, 1\ min}$				0,95/85,7	-	z'-score
				$L_{Aeq, 8\ kHz, 1\ min}$				0,98/85,3	-	z'-score
73.	PIO CEM/m 02/21	Cement mortar	EN 1542	Bond strength by "pull-off" method	PIO CEM/m № 02/21	11.11.21.	11	1,58/76.3	3	z'-score
74.	PIO BUK/a 05/21	occupational noise exposure	EN ISO 9612	level of occupational noise exposure normalized to 8-hour working day $L_{EX, 8h}$	PIO BUK/a № 05/21	12.11.21.	5	0,78/88,3	-	z'-score
75.	PIO KAG/f 02/21	stone aggregate	EN 933-1	particle size 4÷8 mm content	PIO KAG/f № 02/21	21.01.22.	19	0,5/92,5	1	z-score
				particle size 8÷16 mm content				0,47/92,9	1	

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		Subject of testing/product	Testing method	Properties/parameters						
76.	PIO CEM/fm 03/21	cement CEM I 42,5R	EN 196-1	prism mass	PIO CEM/fm № 03/21	10.03.22.	7	1,08/83,7	1	z'-score
				flexural strength after 2 days			8	0,88/89,9	2	
				flexural strength after 7 days				0,85/87,3	1	
				flexural strength after 28 days				0,70/89,5	-	
				compressive strength after 2 days			14	1,60/75,9	4	
				compressive strength after 7 days			14	1,45/78,3	5	z-score
				compressive strength after 28 days			14	1,52/77,1	3	
			EN 196-3	soundness			12	1,31/80,4	2	z-score
				beginning of setting time			15	1,67/75,0	6	z'-score
				end of setting time				1,61/75,9	5	
				water content for the standard consistency			14	1,19/82,1	1	z-score
			EN 196-6	fineness of grind sieving on 90 µm sieve			8	1,49/77,7	2	z'-score
				fineness of grind sieving on 45 µm sieve			7	1,20/82,0	1	
				fineness of grind Blaine method			10	1,45/78,3	2	
			SRPS B.C8.023	bulk density			5	0,88/86,8	-	

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		Subject of testing/product	Testing method	Properties/parameters						
77.	PIO BUK/a 02/22	environmental noise level (outdoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 02/22	20.06.22 1.	21	0,71 /89,4	2	z-score
				L_{AFmin}				0,62/90,7	2	
				L_{AF5}				0,84/87,5	2	
				L_{AF50}				0,70/89,5	1	
				L_{AF95}				0,68/89,9	1	
				L_{AFmax}				0,52/92,2	1	
78.	PIO CEM/h 01/22	cement CEM I 42,5R	EN 196-2, a. 4	wet chemistry chemical analyses	PIO CEM/h № 01/22 withdrawn	15.07.22.	10	0,93/86,1	9	z'-score
			EN 196-2, a. 5	XRF spectroscopy chemical analyses			3	0,56/91,6	1	z'-score
			EN 196-10	water soluble Cr (VI)			8	1,29/80,7	2	z'-score
79.	PIO CEM/h 01/22	cement CEM I 42,5R	EN 196-2, a. 4	wet chemistry chemical analyses	PIO CEM/h № 01/22 corrected	01.08.22.	10	0,93/86,1	9	z'-score
			EN 196-2, a. 5	XRF spectroscopy chemical analyses			3	0,56/91,6	1	z'-score
			EN 196-10	water soluble Cr (VI)			8	1,29/80,7	2	z'-score
80.	PIO BIT/f 01/22	bitumen	EN 1426	needle penetration	PIO BIT/f № 01/22	18.08.21	7	1,71/74,4	2	z'-score
			EN 1427	softening point			8	0,93/86,1	1	z'-score
			EN 15326	Measurement of density and specific gravity – Capillary-stoppered pycnometer method			3	0,7/89,5	0	z'-score
81.	PIO BUK/a 01/22	source of noise	EN ISO 3744	sound power level of noise source	PIO BUK/a № 01/22	22.08.22.	8	1,26/81,1	1	z'-score
82.	PIO KAG/m 01/22	natural stone aggregate	EN 1097-1	micro-Deval index	PIO KAG/m № 01/22	19.09.22.	6	0,72/89,2	0	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
83.	PIO OPC/fm 01/22	clay masonry units with vertical voids	EN 772-1	compressive strength	PIO OPC/fm № 01/22	29.09.22.	9	1,11/83,4	2	z'-score
			EN 772-3	net volume			6	0,22/96,7	0	z- score
				percentage of voids				1,02/84,7		z'-score
			EN 772-11	initial rate of water absorption			7	0,40/94,0	0	z-score
			EN 772-13	net density			8	0,51/92,4	0	z-score
				gross density				0,82/87,7		z'-score
			EN 772-16	dimensions L x W x H			11	0,64/90,4	0	z'-score
								0,84/87,4	1	
								0,73/89,1	0	
			EN 772-21	water absorption			4	0,17/97,4	0	z-score
84.	PIO TIZ/m 01/22	thermal insulation in buildings	EN 826	compression behavior	PIO TIZ/m № 01/22	14.11.22.	7	0,90/86,5	2	z'-score
			EN 1607	tensile strength perpendicular to faces			4	0,45/93,3	-	z'-score
			EN 12089	bending behavior			5	0,7/89,5	1	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
85.	PIO KER/fm 01/22	glazed ceramic tiles	EN ISO 10545-2	sides dimensions	PIO KER/fm № 01/22	25.11.22.	8	0,85/87,3	-	z'-score
				thickness				0,49/92,7	-	
				center curvature			6	0,53/92,1	-	
				warpage				0,65/90,3	-	
				edges curvature				0,60/91,0	-	
				straightness of sides				1,06/84,1	1	
				deviation from rectangularity				0,63/90,5	-	
			EN ISO 10545-3	water absorption			8	1,26/81,1	2	
				apparent porosity			3	0,27/95,9	-	
				apparent relative density			3	0,47/92,9	-	
				bulk density			3	0,47/92,9	-	
			EN ISO 10545-4	modulus of rupture			12	1,37/79,5	2	
				breaking strength				1,22/81,7	1	
			EN ISO 10545-14	resistance to stains			5	5,12	2	*L*-score
86.	PIO BUK/a 03/22	environmental noise level (indoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 03/22	02.12.22.	11	0,58/91,3	1	z-score
				$L_{Aeq,\ 63\ Hz,\ 1\ min}$			10	1,07/83,9	2	z'-score
				$L_{Aeq,\ 125\ Hz,\ 1\ min}$				1,25/81,3	3	z'-score
				$L_{Aeq,\ 250\ Hz,\ 1\ min}$				0,85/87,3	2	z-score
				$L_{Aeq,\ 500\ Hz,\ 1\ min}$				0,99/85,2	2	z'-score
				$L_{Aeq,\ 1\ kHz,\ 1\ min}$				0,89/86,7	2	z-score
				$L_{Aeq,\ 2\ kHz,\ 1\ min}$				0,99/85,2	2	z'-score
				$L_{Aeq,\ 4\ kHz,\ 1\ min}$				0,97/85,4	2	z'-score
				$L_{Aeq,\ 8\ kHz,\ 1\ min}$				0,43/93,6	-	z-score

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		Subject of testing/product	Testing method	Properties/parameters						
87.	PIO VPS/f 01/22	air permeability	EN ISO 9972	depressurization permeability on 50 Pa 1st day	PIO VPS/f № 01/22	26.12.22.	7	0,70/89.5	-	z'-score
				depressurization permeability on 50 Pa 2nd day			9	0.63/90,6	-	
				depressurization permeability on 50 Pa 3rd day			9	0,67/89.9	-	
				pressurization permeability on 50 Pa 1st day			7	0.61/90.9	-	
				pressurization permeability on 50 Pa 2nd day			9	0,70/89.5	1	
				pressurization permeability on 50 Pa 3rd day			9	0,67/89.9	-	

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		Subject of testing/product	Testing method	Properties/parameters						
88.	PIO CEM/fm 02/22	cement CEM I 42,5R	EN 196-1	prism mass	PIO CEM/fm № 02/22	06.02.23.	13	1,54/76,9	4	z'-score
				flexural strength after 2 days			15	1,40/79,0	3	z-score
				flexural strength after 7 days				1,16/82,6	2	
				flexural strength after 28 days				1,16/82,6	-	
				compressive strength after 2 days			16	1,48/77,8	4	
				compressive strength after 7 days			15	1,65/75,3	5	
				compressive strength after 28 days			16	1,87/71,9	8	
			EN 196-3	soundness			15	1,07/83,9	3	z-score
				beginning of setting time			15	1,44/78,4	4	z-score
				end of setting time			14	1,38/79,3	4	z'-score
				water content for the standard consistency			15	1,45/78,3	3	z-score
			EN 196-6	fineness of grind sieving on 90 µm sieve			9	0,95/85,7	1	z'-score
				fineness of grind sieving on 45 µm sieve			8	1,38/79,3	2	
				fineness of grind Blaine method			12	1,60/76,0	3	
			SRPS B.C8.023	bulk density			4	0,52/92,2	-	

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		Subject of testing/product	Testing method	Properties/parameters						
89.	PIO KAG/f 02/22	stone aggregate	EN 933-1	particle size 4÷8 mm content	PIO KAG/f № 02/22	27.02.23.	18	1,06/84,1	3	z-score
				particle size 8÷16 mm content				0,94/85,9	2	
90.	PIO PPZ/p 01/22	mineral (stone) wool	EN ISO 1182	ΔT_f	PIO PPZ/p № 01/22	03.04.23.	17	0,75/88,7	-	z'-score
				ΔT_c			15	0.66/90,1	1	
				ΔT_s			15	0.65/90,2	-	
				Δm			17	0,55/91,7	-	
91.	PIO SIM/fm 01/22	plastic pipes	EN ISO 3126	outer diameter	PIO SIM/fm № 01/22	07.04.23.	6	0,55/91,7	-	z'-score
				wall thickness				0,46/93,1	-	
				ovality				0,61/90,9	-	
			EN ISO 2505	longitudinal reversion			4	0,62/90,7	-	
			EN ISO 9969	ring stiffness			4	0,60/91,0	-	
			EN ISO 13968	ring flexibility			3	0,33/95,1	-	
			EN ISO 6259-3	stress at yield			6	0,56/91,6	-	
				strain at yield			6	0,55/91,7	-	
				stress at break			6	0,61/90,8	-	
				strain at break			6	0,31/95,4	-	
92.	PIO PPZ/p 02/22	expanded polystyrene EPS 100	EN ISO 11925-2	Ignitability of products subjected to direct impingement of flame - Single-flame source test	PIO PPZ/p № 02/22	17.07.23.	11	1,06/84,1	2	L-score

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		Subject of testing/product	Testing method	Properties/parameters						
93.	PIO BUK/a 01/23	environmental noise level (outdoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 01/23	21.07.23.	15	0,64/90,4	-	z-score
				L_{AFmin}				0,63/90,6	-	
				L_{AF5}				0,60/91,0	-	
				L_{AF50}				0,67/89,9	-	
				L_{AF95}				0,67/89,9	-	
				L_{AFmax}				0,50/92,5	-	
94.	PIO OPC/fm 01/23	clay masonry units with vertical voids	EN 772-1	compressive strength	PIO OPC/fm № 01/23	31.08.23.	5	0,60/91,0	-	z'-score
			EN 538	flexural strength			4	0.30/95,5	-	z'-score
			EN 539-2	frost resistance			3	0,26/96,0	-	z'-score
95.	PIO CEM/h 01/23	cement CEM I 42,5R	EN 196-2, a. 4	wet chemistry chemical analyses	PIO CEM/h № 01/23	29.11.23.	9	0,71/89,4	3	z'-score
			EN 196-2, a. 5	XRF spectroscopy chemical analyses			3	0,52/92,2	-	z'-score
96.	PIO BUK/a 02/23	occupational noise exposure	EN ISO 9612	level of occupational noise exposure normalized to 8-hour working day $L_{EX, 8h}$	PIO BUK/a № 02/23	08.12.23.	9	0,65/90,2	-	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
97.	PIO KAG/fm 01/23	natural stone aggregate	EN 1097-2	resistance to fragmentation – Los Angeles method	PIO KAG/fm № 01/23	24.11.23.	10	0,86/87,1	1	z'-score
			EN 1097-3	loose bulk density			5	0,64/90,4	-	
			EN 933-9	methylene blue			6	0,63/90,6	-	
			EN 1427	softening point			8	0,60/91,0	-	
98.	PIO BUK/a 03/23	environmental noise level (indoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 03/23	24.01.24.	11	0,46/93,1	-	z'-score
				$L_{Aeq, 63 Hz, 1 min}$			10	0,48/92,8	-	
				$L_{Aeq, 125 Hz, 1 min}$				0,36/94,6	-	
				$L_{Aeq, 250 Hz, 1 min}$				0,58/91,3	1	
				$L_{Aeq, 500 Hz, 1 min}$				0,58/91,3	-	
				$L_{Aeq, 1 kHz, 1 min}$				0,59/91,1	-	
				$L_{Aeq, 2 kHz, 1 min}$				0,67/90,0	-	
				$L_{Aeq, 4 kHz, 1 min}$				0.63/90,6	-	
				$L_{Aeq, 8 kHz, 1 min}$				0,77/88,4	-	
99.	PIO BIT/f 01/23	bitumen	EN 1426	needle penetration	PIO BIT/f № 01/23	30.01.24.	10	0,60/91,0	-	z'-score
			EN 1427	softening point			7	0,58/91,3	-	
100.	PIO BIT/f 01/23	bitumen	EN 1426	needle penetration	PIO BIT/f № 01/23 corrected	05.02.24.	11	0,60/91,0	-	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
101.	PIO CEM/fm 02/23	cement CEM I 42,5R	EN 196-1	prism mass	PIO CEM/fm № 02/23	14.03.24.	6	0,63/90,6	-	z'-score
				flexural strength after 2 days			8	0,66/90,1	-	
				flexural strength after 7 days				0,65/90,2	-	
				flexural strength after 28 days				0,65/90,2	-	
				compressive strength after 2 days			13	0,73/89,0	1	
				compressive strength after 7 days			12	0,70/89,5	-	
				compressive strength after 28 days			13	0,72/89,2	1	
			EN 196-3	soundness			12	0,70/89,5	-	
				beginning of setting time			12	0,66/90,1	-	
				end of setting time			12	0,74/88,9	1	
				water content for the standard consistency			11	0,69/89,6	1	
			EN 196-6	fineness of grind sieving on 90 µm sieve			8	0,82/87,7	1	
				fineness of grind sieving on 45 µm sieve			6	0,58/91,3	-	
				fineness of grind Blaine method			7	0,60/91,0	-	
			SRPS B.C8.023	bulk density			4	0,48/92,8	-	

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		Subject of testing/product	Testing method	Properties/parameters						
102.	PIO KAG/f 02/23	stone aggregate	EN 933-1	particle size 4÷8 mm content	PIO KAG/f № 02/23	26.03.24.	11	0,48/92,8	-	z'-score
				particle size 8÷16 mm content				0,47/92,9	-	
103.	PIO BUK/a 01/24	environmental noise level (outdoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 01/24	10.07.24.	16	0.68/89.8	-	z-score
				L_{AFmin}				0,65/90,2	-	
				L_{AF5}				0,73/89,0	1	
				L_{AF50}				0,70/89,5	-	
				L_{AF95}				0,73/89,0	-	
				L_{AFmax}				0,65/90,2	-	
104.	PIO BET/fm 01/24	concrete cube 15 x 15 x15 cm	EN 12390-1	dimensions	PIO BET/fm № 01/24	13.09.24.	10	0,56/91,6	-	z'-score
			EN 12390-3	compressive strength			17	0,67/89,9	-	z-score
			EN 12390-7	bulk density			10	0,68/89,8	-	z'-score
105.	PIO BIT/f 01/24	bitumen	EN 1426	needle penetration	PIO BIT/f № 01/24	18.10.24.	9	0,64/90,4	-	z'-score
			EN 1427	softening point			7	0,5/92,5	-	
106.	PIO TIZ/fm 01/24	thermal insulation in buildings	EN 822	length and width	PIO TIZ/fm № 01/24	15.11.24.	9	0,60/91,0 0,70/89,5	- 1 width	z'-score
			EN 823	thickness			9	0,33/95,1	-	z'-score
			EN 824	squareness			6	0,66/90,1 0,63/90,6	-	z'-score
			EN 825	flatness			7	0,65/90,2	-	z'-score
			EN 826	compression behavior			9	0,64/90,4	-	z'-score
			EN 12089	bending behavior			8	0,66/90,1	-	z'-score

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		Subject of testing/product	Testing method	Properties/parameters						
107.	PIO KAG/f 01/24	natural stone aggregate granulation of 4 ÷ 8 mm and 8 ÷ 16 mm	EN 933-3	flakiness index	PIO KAG/f № 01/24	25.11.24.	4	0,92/86,2	-	z'-score
			EN 933-4	shape index			9	0,66/90,1	-	z'-score
108.	PIO BUK/a 02/24	environmental noise level (indoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 02/24	02.12.24.	10	0,33/95,1	-	z-score
				$L_{Aeq, 63\ Hz, 1\ min}$			8	0,81/87,8	1	z'-score
				$L_{Aeq, 125\ Hz, 1\ min}$				0,76/88,6	1	z'-score
				$L_{Aeq, 250\ Hz, 1\ min}$				0,83/87,6	1	z'-score
				$L_{Aeq, 500\ Hz, 1\ min}$				0,70/89,5	1	z'-score
				$L_{Aeq, 1\ kHz, 1\ min}$				0,72/89,2	1	z-score
				$L_{Aeq, 2\ kHz, 1\ min}$				0,77/88,4	1	z'-score
				$L_{Aeq, 4\ kHz, 1\ min}$				0,61/90,8	-	z'-score
				$L_{Aeq, 8\ kHz, 1\ min}$				0,78/88,3	1	z'-score
109.	PIO CEM/h 01/24	cement CEM I 42,5R	EN 196-2, a. 5	XRF spectroscopy chemical analyses	PIO CEM/h № 01/24	15.01.25.	4	0,59/91,2	1	z'-score
110.	PIO BET/f 02/24	fresh concrete	EN 12350-1 a. 5.4	temperature	PIO BET/fm № 02/24	07.02.25.	8	0,65/90,3	-	z'-score
			EN 12350-9	V-funnel test			7	0,58/91,3	-	z'-score
			EN 12350-6	density			6	0,70/89,5	-	z'-score
			EN 12350-7	air content			6	0,61/90,9	-	z'-score
111.	PIO KAG/f 02/24	stone aggregate	EN 933-1	particle size 4÷8 mm content	PIO KAG/f № 02/24	04.04.25.	10	0,65/90,3	2	z'-score
				particle size 8÷16 mm content			11	0,65/90,3	1	

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		Subject of testing/product	Testing method	Properties/parameters						
112.	PIO TIZ/fm 01/24	thermal insulation in buildings	EN 822	length and width	corrected PIO TIZ/fm № 01/24	05.05.25.	9	0,60/91,0 0,70/89,5	- 1 width	z'-score
			EN 823	thickness			9	0,33/95,1	-	z'-score
			EN 824	squareness			6	0,66/90,1 0,63/90,6	-	z'-score
			EN 825	flatness			7	0,65/90,2	-	z'-score
			EN 826	compression behavior			9	0,64/90,4	-	z'-score
			EN 12089	bending behavior			8	0,66/90,1	-	z'-score
113.	PIO CEM/fm 03/24	cement CEM II 42,5R	EN 196-1	flexural strength after 2 days	PIO CEM/fm № 03/24	16.05.25.	6	0,62/90,7	-	z'-score
				flexural strength after 7 days				0,63/90,6	-	
				flexural strength after 28 days				0,62/90,7	-	
				compressive strength after 2 days			8	0,63/90,6	-	
				compressive strength after 7 days				0,68/89,8	-	
				compressive strength after 28 days				0,68/89,8	-	
			EN 196-3	soundness			6	0,57/91,5	1	
				beginning of setting time			6	0,62/90,7	1	
				end of setting time			5	0,54/91,9	1	
				water content for the standard consistency			5	0,57/91,5	1	
			EN 196-6	fineness of grind sieving on 90 µm sieve			3	0,53/92,0	-	

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				fineness of grind Blaine method			3	0,53/92,0	-	
S. №	**Programme (scheme) code**	**PT activity domain**			**Finite report code**	**Issuing date**	**№ of partici pants**	**Average score/Grade**	**№ of established nonconformities**	**Remarks**
		Subject of testing/product	**Testing method**	**Properties/parameters**						
114.	PIO BUK/a 03/25	environmental noise level (outdoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 03/25	22.07.25.	11	0,46/93,1	-	z'-score
				L_{AFmin}				0,57/91,4	-	
				L_{AF5}				0,94/85,9	2	
				L_{AF50}				0,60/91,0	-	
				L_{AF95}				0,62/90,7	-	
				L_{AFmax}				0,46/93,1	-	
115.	PIO BET/fm 01/25	concrete cube 15 x 15 x15 cm	EN 12390-3	compressive strength	PIO BET/fm № 01/25	26.01.26.	10	0,81/87,8	2	z'-score
			EN 12390-7	density			9	0,69/89,6	-	z'-score
			EN 12504-2	rebound number			7	0,54/91,9	-	z'-score
116.	PIO CEM/h 01/25	cement CEM I 52,5R	EN 196-2, a. 4	wet chemistry chemical analyses	PIO CEM/h № 01/25	10.02.26	9	0,67/89,9	4	z'-score
			EN 196-10	water soluble Cr (VI) content			5	1,04/84,4	1	
117.	PIO BUK/a 04/25	environmental noise level (indoors)	ISO 1996-1 ISO 1996-2	L_{Aeq}	PIO BUK/a № 04/25	13.02.26.	8	0,48/92,8	-	z'-score
				$L_{Aeq, 63 Hz, 1 min}$				0,86/87,1	1	
				$L_{Aeq, 125 Hz, 1 min}$				0,84/87,4	1	
				$L_{Aeq, 250 Hz, 1 min}$				0,84/87,4	1	
				$L_{Aeq, 500 Hz, 1 min}$				0,52/92,2	-	
				$L_{Aeq, 1 kHz, 1 min}$				0,36/94,6	-	
				$L_{Aeq, 2 kHz, 1 min}$				0,58/91,3	-	
				$L_{Aeq, 4 kHz, 1 min}$				0,68/89,8	-	
				$L_{Aeq, 8 kHz, 1 min}$				0,60/91,0	-	

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		Subject of testing/product	Testing method	Properties/parameters						
118.	PIO VPS/f 01/25	air permeability	EN ISO 9972	depressurization permeability on 50Pa	PIO VPS/f № 01/25	27.02.26.	30	0,97/85,4	5	z-score
				pressurization permeability on 50Pa				0,92/86,2	4	
119.	PIO OPC/fm 01/25	clay masonry units with vertical voids	EN 772-1	compressive strength	PIO OPC/fm № 01/25	20.03.26.	7	0,63/90,6	-	z'-score
			EN 772-3	net volume			5	0,32/95,2	-	
				percentage of voids						
			EN 772-11	initial rate of water absorption			7	0,66/90,1	-	
			EN 772-13	net density gross density			5	0,40/94,0	-	
			EN 772-16	dimensions			7	0,45/93,3	1	
			EN 772-21	water absorption			7	0,23/96,6	-	
120.	PIO VPS/f 01/25	air permeability	EN ISO 9972	depressurization permeability on 50Pa	PIO VPS/f № 01/25 corrected	08.08.26.	30	0,84/87,4	4	z-score
				pressurization permeability on 50Pa				0,82/87,7	3	