



**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	-	
				volume stability			8	0.91/86.3	-	
			EN 196-6, t. 3	sieving analyses (90 $\mu$ m)			8	0.80/88.0	-	
				sieving analyses (45 $\mu$ m)			5	1.12/83.2	1	
EN 196-6, t. 4	air permeability method - Blaine	7	0.70/89.5	-						



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		Subject of testing/product	Testing method	Properties/parameters						
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 breaking strength			4	0.68/89.9 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KAG/fm 01/16	natural stone aggregate	EN 933-1	particle size distribution of grain size 0 ÷ 16 mm	PIO KAG/fm № 01/16 - withdrawn	08.04.16.	24	1.06/84.1	33	z-score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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		Subject of testing/product	Testing method	Properties/parameters						
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 <sub>Aeq</sub>	PIO BUK/a № 01/16	08.08.16.	15	0.79/88.1	-	z-score
				L <sub>Aeq</sub> , 63 Hz, 1 min			12	1.45/78.2	3	
				L <sub>Aeq</sub> , 125 Hz, 1 min			13	1.15/82.8	2	
				L <sub>Aeq</sub> , 250 Hz, 1 min				1.35/79.8	4	
				L <sub>Aeq</sub> , 500 Hz, 1 min				0.82/87.7	1	
				L <sub>Aeq</sub> , 1 kHz, 1 min				1.44/78.4	4	
				L <sub>Aeq</sub> , 2 kHz, 1 min				1.52/77.3	5	
L <sub>Aeq</sub> , 4 kHz, 1 min	1.72/74.3	6								
L <sub>Aeq</sub> , 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 <sub>f</sub>	PIO PPZ/p № 01/16	21.10.16.	5	0.92/86.2	1	z'-score
				ΔT <sub>c</sub>				1.16/82.6	1	
				ΔT <sub>s</sub>				1.15/82.8	1	
				Δm				1.08/83.8	1	
				t <sub>f</sub>				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' <sub>100 Hz</sub>	PIO ZIZ/a № 02/16	07.11.16.	3	0.87/87.0	-	z'-score
				R' <sub>125 Hz</sub>				0.53/92.0	-	
				R' <sub>160 Hz</sub>				1.50/77.5	1	
				R' <sub>200 Hz</sub>				1.50/77.5	1	
				R' <sub>250 Hz</sub>				1.40/79.0	1	
				R' <sub>315 Hz</sub>				0.40/94.0	-	
				R' <sub>400 Hz</sub>				0.47/93.0	-	
				R' <sub>500 Hz</sub>				0.77/88.5	-	
				R' <sub>630 Hz</sub>				0.73/89.0	-	
				R' <sub>800 Hz</sub>				0.60/91.0	-	
				R' <sub>1000 Hz</sub>				0.77/88.5	-	
				R' <sub>1250 Hz</sub>				1.13/83.0	1	
				R' <sub>1600 Hz</sub>				0.40/94.0	-	
				R' <sub>2000 Hz</sub>				0.53/92.0	-	
				R' <sub>2500 Hz</sub>				0.47/93.0	-	
				R' <sub>3150 Hz</sub>				0.60/91.0	-	
				R' <sub>4000 Hz</sub>				0.53/92.0	-	
R' <sub>5000 Hz</sub>	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		
			setting time				0.89/86.6		1		
			volume stability				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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		Subject of testing/product	Testing method	Properties/parameters							
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	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				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 772-2	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				6	0.61/90.9		-
			EN 317	swelling in thickness after immersion in water				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 railroads	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	$L_{Aeq}$ $L_{Aeq, 63 \text{ Hz}, 1 \text{ min}}$ $L_{Aeq, 125 \text{ Hz}, 1 \text{ min}}$ $L_{Aeq, 250 \text{ Hz}, 1 \text{ min}}$ $L_{Aeq, 500 \text{ Hz}, 1 \text{ min}}$ $L_{Aeq, 1 \text{ kHz}, 1 \text{ min}}$ $L_{Aeq, 2 \text{ kHz}, 1 \text{ min}}$ $L_{Aeq, 4 \text{ kHz}, 1 \text{ min}}$ $L_{Aeq, 8 \text{ kHz}, 1 \text{ min}}$	PIO BUK/a № 01/17	09.06.17.	7	0.60/0.90	-	z'-score	
								0.53/92.1	-		
								0.94/85.9	-		
								0.43/93.6	-		
								0.60/0.90	-		
								1.64/75.4	3		
								1.03/84.6	1		
								0.93/86.1	1		
								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	PIO ZIZ/a № 01/17	07.07.17.	4	0.48/92.9	-	z'-score
				R' 125 Hz				0.73/89.1	-	
				R' 160 Hz				0.45/93.3	-	
				R' 200 Hz				0.30/95.5	-	
				R' 250 Hz				0.33/95.1	-	
				R' 315 Hz				0.45/93.3	-	
				R' 400 Hz				0.63/90.6	-	
				R' 500 Hz				0.38/94.4	-	
				R' 6300 Hz				0.50/92.5	-	
				R' 800 Hz				0.38/94.4	-	
				R' 1000 Hz				0.28/95.9	-	
				R' 1250 Hz				0.88/86.9	1	
				R' 1600 Hz				0.73/89.1	-	
				R' 2000 Hz				0.35/94.8	-	
R' 2500 Hz	0.30/95.5	-								
R' 3150 Hz	0.30/95.5	-								
R' 4000 Hz	0.50/92.5	-								
R' 5000 Hz	0.53/92.1	-								
								0.68/89.9	-	





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24.	PIO ZIZ/a 01/17	field measurement of impact sound insulation	EN ISO 16283-2	L' <sub>n</sub> , 100 Hz	PIO ZIZ/a № 01/17	07.07.17.	6	0.48/92.8	-	z'-score	
				L' <sub>n</sub> , 125 Hz				0.70/89.5	-		
				L' <sub>n</sub> , 160 Hz				0.47/93.0	-		
				L' <sub>n</sub> , 200 Hz				0.52/92.3	-		
				L' <sub>n</sub> , 250 Hz				0.77/88.5	-		
				L' <sub>n</sub> , 315 Hz				0.58/91.3	-		
				L' <sub>n</sub> , 400 Hz				0.55/91.8	-		
				L' <sub>n</sub> , 500 Hz				0.52/92.3	-		
				L' <sub>n</sub> , 6300 Hz				0.63/90.5	-		
				L' <sub>n</sub> , 800 Hz				0.55/91.8	-		
				L' <sub>n</sub> , 1000 Hz				0.47/93.0	-		
				L' <sub>n</sub> , 1250 Hz				0.82/87.8	-		
				L' <sub>n</sub> , 1600 Hz				0.48/92.8	-		
				L' <sub>n</sub> , 2000 Hz				0.98/85.3	1		
L' <sub>n</sub> , 2500 Hz	0.65/90.3	1									
L' <sub>n</sub> , 3150 Hz	0.82/87.8	1									
L' <sub>n</sub> , 4000 Hz	0.52/92.3	-									
L' <sub>n</sub> , 5000 Hz	0.57/91.5	-									
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	mileral wool	EN ISO 1182	$\Delta T_f$	PIO PPZ/p № 01/17	25.08.17.	12	0.86/87.1	1	z-score	
				$\Delta T_c$				7	1.03/84.6	1	z'-score
				$\Delta T_s$				10	0.72/89.2	-	z'-score
				$\Delta m$				12	0.70/89.5	1	z-score
				$t_f$					0.00/100.0	-	



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		Subject of testing/product	Testing method	Properties/parameters						
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	
			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
				setting time			15	0.71/89.3	-	z-score
				volume stability			14	0.81/87.9	1	
				sieving analyses (90 µm)				0.79/88.1	1	
			EN 196-6	sieving analyses (45 µm)			10	0.89/86.7	1	z'-score
				air permeability method - Blaine			9	1.14/82.2	2	
				bulk density			8	0.91/86.3	1	
			EN 196-1	heat of hidratatio			4	0.60/91.0	-	



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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						
28.	PIO BUK/a 01/17	environmental noise level (outdoors)	ISO 1996-2	L <sub>Aeq</sub>	PIO BUK/a № 02/17	06.11.17.	7	0.59/91.2	-	z'-score
				L <sub>AE</sub>				0.56/91.6		
				L <sub>AFmax</sub>				0.44/93.4		
				L <sub>AFmin</sub>				0.63/90.6		
				L <sub>A5</sub>			5	0.46/93.1		
				L <sub>A10</sub>				0.46/93.1		
				L <sub>A50</sub>				0.48/92.8		
				L <sub>A90</sub>				0.48/92.8		
				L <sub>A95</sub>				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