



Correction to: A new slip safety risk scale of natural stones with statistical K-means clustering analysis

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The original version of this paper was published with error. Tables 3 and Table 4 were evaluated and compared according to the Ph.D. thesis of Çoşkun (2013). Given in this article are the updated tables.

Reference

Çoşkun G (2013) The effects of roughness and surface processing techniques on slip resistance in stone naturel calcareous stones. Ph.D. Thesis. Eskişehir Osmangazi University, Institute of Science and Technology, 293.

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Table 3 Chemical properties of natural stones (Çoşkun 2013)

Natural stones	CaO (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	MgO (%)	K ₂ O (%)	TiO ₂ (%)	P ₂ O ₅ (%)	MnO (%)	CO ₂ (%)
M1	54.16	0.89	0.27	0.19	0.81	0.08	0.02	0.03	0.04	43.51
M2	53.37	1.57	0.57	0.29	0.75	0.27	0.03	0.03	0.04	43.08
M3	31.94	0.01	0.01	0.01	20.65	0.14	0.01	0.13	0.01	47.09
M4	55.08	0.27	0.03	0.19	0.33	0.19	0.01	0.02	0.01	43.87
M5	55.59	0.01	0.01	0.01	0.11	0.21	0.01	0.03	0.01	44.01
T1	55.02	0.01	0.01	0.02	0.25	0.09	0.01	0.04	0.01	44.54
T2	55.69	0.01	0.01	0.01	0.01	0.15	0.01	0.03	0.02	44.06
T3	55.45	0.01	0.01	0.01	0.28	0.12	0.01	0.02	0.01	44.08
T4	55.53	0.01	0.01	0.01	0.35	0.12	0.01	0.02	0.01	43.93
T5	55.44	0.06	0.01	0.20	0.06	0.11	0.01	0.02	0.03	44.06
K1	55.57	0.01	0.01	0.01	0.37	0.16	0.01	0.04	0.01	43.81
K2	54.92	0.10	0.01	0.01	0.41	0.13	0.01	0.04	0.01	44.36
K3	55.53	0.01	0.01	0.01	0.34	0.14	0.01	0.02	0.01	43.92
K4	53.06	1.40	0.45	0.30	0.96	0.29	0.03	0.04	0.01	43.46
K5	52.63	0.01	0.01	0.01	2.99	0.24	0.01	0.13	0.01	43.96

Table 4 Physical and mechanical properties of natural stones (Çoşkun 2013)

Natural stones	Density, (kg/m ³)	Porosity (%)	Water absorption (%)	Knoop hardness	Uniaxial compressive strength (MPa)	Flexural strength (MPa)	Impact strength IS (MPa)	Abrasion strength (cm ³ /50cm ²)
M1	2700	0.23	0.10	148.63	71.85	11.80	24	18.01
M2	2710	0.18	0.08	138.30	74.45	11.66	25	17.64
M3	2810	0.55	0.21	140.85	79.26	12.03	28	16.96
M4	2710	0.18	0.08	126.83	77.63	11.31	26	17.15
M5	2690	0.21	0.09	141.25	69.85	9.66	23	18.24
T1	2520	2.05	0.87	171.41	71.04	7.47	24	17.96
T2	2480	2.73	1.26	132.08	37.42	4.20	16	25.64
T3	2480	1.89	0.85	138.35	49.51	4.81	20	23.95
T4	2470	1.17	0.54	171.64	40.77	8.56	18	24.78
T5	2450	3.34	1.41	137.26	39.50	5.19	17	24.96
K1	2680	0.35	0.14	161.26	89.43	7.23	30	16.25
K2	2670	0.89	3.34	168.35	91.44	7.87	31	15.98
K3	2680	0.57	0.26	178.63	83.65	8.91	33	16.92
K4	2650	0.50	0.26	192.34	97.20	10.58	35	15.67
K5	2680	0.56	0.25	179.12	89.45	8.89	34	16.26