

Českomoravský cement, a.s.
Mokrá 359
664 04 Mokrá-Horákov

Statistické hodnocení kvality cementu

dle EN 197-1

Cement: CEM II/A-S 42,5 R

Období: Od: **01.12.2022**

Závod: **Mokrá**

Do: **31.12.2022**

Mechanické a fyzikální vlastnosti

Datum	Měrný povrch	Normální konzistence	Počátek tuhnutí	Konec tuhnutí	Objemová stálost	Pevnost v tlaku		Pevnost v ohybu	
						2 dny	28 dní	2 dny	28 dní
Jednotka	[m ² /kg]	[%]	[min]	[min]	[mm]	[MPa]	[MPa]	[MPa]	[MPa]
05.12.2022	463	28.2	227	338	1.0	25.3	60.0	5.6	9.1
07.12.2022	457	29.0	242	365	0.5	24.8	60.3	5.7	9.0
12.12.2022	486	28.0	258	380	1.0	25.9	60.6	5.8	9.2
13.12.2022	462	28.6	219	320	1.0	25.1	61.0	5.8	8.7
19.12.2022	468	28.4	241	366	1.0	24.3	60.8	5.8	9.7
20.12.2022	481	28.2	270	365	0.5	27.3	60.2	5.9	9.3
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Průměr	470	28.4	243	356	0.8	25.4	60.5	5.8	9.2
Max	486	29.0	270	380	1.0	27.3	61.0	5.9	9.7
Min	457	28.0	219	320	0.5	24.3	60.0	5.6	8.7
Std	11	0.3	17	20	0.2	1.0	0.3	0.1	0.3
Četnost	6	6	6	6	6	6	6	6	6
Norma-min			60			20.0	42.5		
Norma-max					10		62.5		

Chemické vlastnosti

Datum	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	CaO	MgO	K ₂ O	Na ₂ O	Obsah síranů (jako SO ₃)	Na ₂ O ekv.	Obsah Cl	Ztráta ziháním	Nerozpuštěný zbytek	Vodorozpuštěný chrom (Cr ⁶⁺)	C ₃ A ve slínku
Jednotka	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[ppm]	[%]
05.12.2022	22.67	5.37	3.03	59.26	2.33	0.73	0.22	2.64	0.70	0.038	---	---	---	6.82
07.12.2022	22.89	5.53	3.03	59.12	2.43	0.72	0.23	2.58	0.70	0.034	---	---	---	6.70
12.12.2022	22.91	5.57	3.22	58.11	2.36	0.73	0.23	2.66	0.71	0.037	---	---	0.00	6.80
13.12.2022	23.02	5.52	2.99	59.28	2.45	0.75	0.24	2.56	0.73	0.043	---	---	---	6.78
19.12.2022	22.90	5.46	3.01	59.51	2.41	0.77	0.24	2.53	0.75	0.037	---	---	---	6.78
20.12.2022	22.92	5.44	3.20	58.46	2.36	0.77	0.24	2.68	0.75	0.039	---	---	---	6.78
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Průměr	22.89	5.48	3.08	58.96	2.39	0.75	0.23	2.61	0.72	0.038	---	---	---	6.77
Max	23.02	5.57	3.22	59.51	2.45	0.77	0.24	2.68	0.75	0.043	---	---	0.000	6.82
Min	22.67	5.37	2.99	58.11	2.33	0.72	0.22	2.53	0.70	0.034	---	---	0.000	6.70
Std	0.11	0.07	0.09	0.50	0.04	0.02	0.01	0.06	0.02	0.003	---	---	0.000	0.04
Četnost	6	6	6	6	6	6	6	6	6	6	0	0	1	6
Norma-min														
Norma-max								4.0		0.10				

V Mokré dne : 09.02.2023

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