

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

Statistické hodnocení kvality cementu

dle EN 197-1

Cement: CEM II/B-S 32,5 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	420	28.2	208	312	1.0	18.5	51.8	4.2	9.9
07.12.2022	401	29.2	209	310	1.0	16.2	49.2	3.8	9.4
12.12.2022	404	28.8	225	348	1.0	18.3	50.9	4.2	9.7
14.12.2022	380	28.8	238	348	0.5	17.8	50.8	4.3	9.5
19.12.2022	396	28.2	222	319	1.0	17.6	51.2	4.1	9.6
22.12.2022	409	28.4	233	358	1.0	17.3	49.8	4.0	9.5
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Průměr	402	28.6	223	333	0.9	17.6	50.6	4.1	9.6
Max	420	29.2	238	358	1.0	18.5	51.8	4.3	9.9
Min	380	28.2	208	310	0.5	16.2	49.2	3.8	9.4
Std	12	0.4	11	19	0.2	0.8	0.9	0.2	0.2
Četnost	6	6	6	6	6	6	6	6	6
Norma-min			75			10.0	32.5		
Norma-max					10		52.5		

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	24.48	5.70	2.54	56.52	3.31	0.71	0.23	2.51	0.70	0.056	---	---	---	6.65
07.12.2022	25.41	5.85	2.45	55.45	3.44	0.73	0.26	2.37	0.74	0.076	---	---	---	6.65
12.12.2022	23.76	5.87	2.63	56.62	2.88	0.77	0.22	2.53	0.73	0.071	---	---	---	6.70
14.12.2022	24.11	5.91	2.57	56.46	3.04	0.74	0.22	2.54	0.71	0.059	---	---	---	6.70
19.12.2022	24.24	5.76	2.61	56.58	3.07	0.73	0.21	2.49	0.69	0.060	---	---	---	6.70
22.12.2022	24.61	5.80	2.52	56.49	3.14	0.74	0.22	2.48	0.71	0.068	---	---	---	6.79
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Průměr	24.44	5.82	2.55	56.35	3.15	0.74	0.23	2.49	0.71	0.065	---	---	---	6.70
Max	25.41	5.91	2.63	56.62	3.44	0.77	0.26	2.54	0.74	0.076	---	---	---	6.79
Min	23.76	5.70	2.45	55.45	2.88	0.71	0.21	2.37	0.69	0.056	---	---	---	6.65
Std	0.51	0.07	0.06	0.41	0.18	0.02	0.02	0.06	0.02	0.007	---	---	---	0.05
Četnost	6	6	6	6	6	6	6	6	6	6	0	0	0	6
Norma-min														
Norma-max								3.5		0.10				

V Mokré dne : 08.02.2023

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