

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

Statistické hodnocení kvality cementu

dle EN 197-1

Cement: CEM II/A-LL 52,5 R

Období: Od: **01/11/2023**

Závod: **Mokrá**

Do: **30/11/2023**

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]
01/11/2023	561	31.2	152	235	0.5	35.8	60.8	7.1	8.4
06/11/2023	540	31.0	175	284	0.0	35.9	60.9	6.6	8.7
08/11/2023	565	31.0	175	287	0.0	36.3	62.8	7.0	8.4
13/11/2023	566	32.0	194	272	1.5	35.9	64.0	7.4	9.0
14/11/2023	543	31.8	182	269	1.0	37.0	61.0	7.2	8.7
20/11/2023	567	32.0	189	254	1.0	38.0	61.6	7.1	8.7
21/11/2023	587	32.2	190	260	1.0	39.1	62.5	7.3	8.6
27/11/2023	573	32.0	183	260	1.0	38.0	61.5	7.6	8.5
28/11/2023	561	31.8	203	274	1.0	38.1	58.3	7.7	7.7
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Průměr	563	31.7	183	266	0.8	37.1	61.5	7.2	8.5
Max	587	32.2	203	287	1.5	39.1	64.0	7.7	9.0
Min	540	31.0	152	235	0.0	35.8	58.3	6.6	7.7
Std	13	0.4	14	15	0.5	1.1	1.5	0.3	0.3
Četnost	9	9	9	9	9	9	9	9	9
Norma-min			45			30.0	52.5		
Norma-max					10		-		

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 žháním	Nerozpuštěný zbytek	Vodorozpuštěný chrom (C ₁ ⁶⁺)	C ₃ A ve slínku
Jednotka	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[ppm]	[%]
01/11/2023	18.41	4.66	3.12	62.88	1.47	0.78	0.13	2.96	0.64	0.037	---	---	---	6.77
06/11/2023	18.66	4.70	3.20	63.18	1.44	0.77	0.14	2.94	0.65	0.034	---	---	---	7.03
08/11/2023	18.29	4.60	3.15	62.96	1.41	0.78	0.14	2.94	0.65	0.036	---	---	---	6.92
13/11/2023	18.38	4.66	3.15	62.86	1.45	0.75	0.14	2.92	0.63	0.029	---	---	---	6.71
14/11/2023	18.27	4.64	3.18	62.84	1.40	0.75	0.14	2.91	0.63	0.028	---	---	---	7.02
20/11/2023	18.36	4.64	3.17	62.88	1.46	0.76	0.14	3.00	0.64	0.028	---	---	---	6.89
21/11/2023	18.26	4.66	3.24	62.90	1.43	0.76	0.14	3.00	0.64	0.028	---	---	---	6.89
27/11/2023	18.34	4.64	3.20	63.32	1.41	0.77	0.13	3.00	0.64	0.027	---	---	---	7.03
28/11/2023	18.65	4.68	3.17	62.71	1.38	0.80	0.13	2.97	0.66	0.044	---	---	---	6.69
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Průměr	18.40	4.65	3.18	62.95	1.43	0.77	0.14	2.96	0.64	0.032	---	---	---	6.88
Max	18.66	4.70	3.24	63.32	1.47	0.80	0.14	3.00	0.66	0.044	---	---	---	7.03
Min	18.26	4.60	3.12	62.71	1.38	0.75	0.13	2.91	0.63	0.027	---	---	---	6.69
Std	0.14	0.03	0.03	0.18	0.03	0.02	0.00	0.03	0.01	0.006	---	---	---	0.13
Četnost	9	9	9	9	9	9	9	9	9	9	0	0	0	9
Norma-min														
Norma-max								4.0		0.10				

V Mokré dne : 31/12/2023

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