

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

Statistické hodnocení kvality cementu dle EN 197-1

Cement: CEM I 52,5 R

Období: Od: **01.01.2021**

Závod: **Mokrá**

Do: **31.01.2021**

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]
04.01.2021	496	30.6	173	240	1.5	38.6	67.3	7.9	8.8
05.01.2021	500	30.6	180	240	1.5	38.4	67.5	7.6	8.8
11.01.2021	503	30.4	162	238	0.0	36.4	64.1	7.2	8.6
12.01.2021	499	30.6	146	206	0.5	37.0	64.6	7.5	8.9
18.01.2021	495	30.6	165	239	1.5	37.8	66.9	8.0	9.1
19.01.2021	500	30.8	154	234	1.5	36.1	64.1	7.4	8.7
21.01.2021	---	30.8	161	240	0.0	---	---	---	---
24.01.2021	505	30.6	173	237	0.0	38.0	65.7	8.1	8.8
25.01.2021	498	30.4	175	238	0.5	36.3	66.6	7.0	9.2
27.01.2021	---	30.4	169	237	1.5	---	---	---	---
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Průměr	500	30.6	166	235	0.9	37.3	65.8	7.6	8.9
Max	505	30.8	180	240	1.5	38.6	67.5	8.1	9.2
Min	495	30.4	146	206	0.0	36.1	64.1	7.0	8.6
Std	3	0.1	10	10	0.7	0.9	1.3	0.4	0.2
Četnost	8	10	10	10	10	8	8	8	8
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 (Cr ⁶⁺)	C ₃ A ve slínku
Jednotka	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[ppm]	[%]
04.01.2021	19.90	4.57	3.49	63.70	1.41	0.72	0.22	2.96	0.69	0.019	---	---	---	6.38
05.01.2021	19.98	4.53	3.47	63.68	1.44	0.71	0.19	3.01	0.66	0.023	---	---	---	6.54
11.01.2021	20.14	4.61	3.48	63.91	1.45	0.72	0.22	3.01	0.69	0.018	1.59	0.83	---	6.54
12.01.2021	20.44	4.58	3.56	63.81	1.50	0.73	0.21	3.00	0.69	0.019	---	---	---	6.38
18.01.2021	19.90	4.55	3.53	63.85	1.42	0.74	0.21	3.00	0.70	0.024	1.82	0.42	---	7.00
19.01.2021	20.04	4.54	3.53	63.31	1.46	0.73	0.21	2.98	0.69	0.019	---	---	---	6.54
21.01.2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---
24.01.2021	20.31	4.50	3.59	63.85	1.45	0.73	0.21	3.00	0.69	0.017	1.39	0.98	---	5.87
25.01.2021	20.38	4.48	3.60	63.58	1.48	0.72	0.20	3.01	0.67	0.020	---	---	---	6.73
27.01.2021	---	---	---	---	---	---	---	---	---	---	---	---	---	---
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Průměr	20.14	4.55	3.53	63.71	1.45	0.73	0.21	3.00	0.69	0.020	1.60	0.74	---	6.50
Max	20.44	4.61	3.60	63.91	1.50	0.74	0.22	3.01	0.70	0.024	1.82	0.98	---	7.00
Min	19.90	4.48	3.47	63.31	1.41	0.71	0.19	2.96	0.66	0.017	1.39	0.42	---	5.87
Std	0.20	0.04	0.05	0.18	0.03	0.01	0.01	0.02	0.01	0.002	0.18	0.24	---	0.30
Četnost	8	8	8	8	8	8	8	8	8	8	3	3	0	8
Norma-min														-
Norma-max								4.0		0.10	5.0	5.0		-

V Mokré dne : 09.03.2021

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