

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

**Statistické hodnocení kvality cementu**  
dle EN 197-1

**Cement: CEM III/B 32,5 L - LH/SR**

Období: Od: **01.12.2021**

Závod: **Mokrá**

Do: **31.12.2021**

**Mechanické a fyzikální vlastnosti**

Datum	Měrný povrch	Normální konzistence	Počátek tuhnutí	Konec tuhnutí	Objemová stálost	Pevnost v tlaku		Pevnost v ohybu	
						7 dní	28 dní	7 dní	28 dní
Jednotka	[m <sup>2</sup> /kg]	[%]	[min]	[min]	[mm]	[MPa]	[MPa]	[MPa]	[MPa]
02.12.2021	487	32.2	291	385	0.5	18.2	44.2	4.2	8.1
06.12.2021	490	32.6	252	355	1.0	16.7	45.8	4.3	7.9
14.12.2021	483	32.2	285	388	0.5	16.2	44.1	3.8	8.9
16.12.2021	489	32.4	282	369	0.5	16.9	44.3	4.0	8.8
20.12.2021	490	30.6	255	353	0.5	17.2	42.2	4.3	7.7
23.12.2021	490	31.6	245	337	0.0	17.6	44.7	4.2	8.4
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<b>Průměr</b>	<b>488</b>	<b>31.9</b>	<b>268</b>	<b>365</b>	<b>0.5</b>	<b>17.1</b>	<b>44.2</b>	<b>4.1</b>	<b>8.3</b>
Max	490	32.6	291	388	1.0	18.2	45.8	4.3	8.9
Min	483	30.6	245	337	0.0	16.2	42.2	3.8	7.7
Std	3	0.7	18	18	0.3	0.6	1.0	0.2	0.4
Četnost	6	6	6	6	6	6	6	6	6
Norma-min			75			12.0	32.5		
Norma-max					10		52.5		

**Chemické vlastnosti**

Datum	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	K <sub>2</sub> O	Na <sub>2</sub> O	Obsah siranů (jako SO <sub>3</sub> )	Na <sub>2</sub> O ekv.	Obsah Cl	Ztráta žháním	Nerozpuštěný zbytek	Vodorozpuštěný chrom (Cr <sup>6+</sup> )	C <sub>3</sub> A ve slínku
Jednotka	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[ppm]	[%]
02.12.2021	31.06	7.26	1.30	46.55	6.41	0.66	0.30	2.09	0.73	0.024	---	---	---	6.40
06.12.2021	31.76	7.11	1.26	46.12	6.43	0.61	0.31	2.01	0.71	0.023	0.64	0.32	---	6.20
14.12.2021	32.37	6.92	1.37	46.19	5.86	0.55	0.29	1.99	0.65	0.027	0.64	0.43	---	6.20
16.12.2021	32.16	7.01	1.37	46.38	5.99	0.58	0.29	2.01	0.67	0.025	---	---	---	6.20
20.12.2021	31.10	7.25	1.27	46.11	6.46	0.66	0.30	2.03	0.73	0.023	---	---	---	6.65
23.12.2021	32.57	6.93	1.37	46.14	5.87	0.54	0.29	2.01	0.65	0.028	---	---	---	6.65
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<b>Průměr</b>	<b>31.84</b>	<b>7.08</b>	<b>1.32</b>	<b>46.25</b>	<b>6.17</b>	<b>0.60</b>	<b>0.30</b>	<b>2.02</b>	<b>0.69</b>	<b>0.025</b>	<b>0.64</b>	<b>0.38</b>	<b>---</b>	<b>6.38</b>
Max	32.57	7.26	1.37	46.55	6.46	0.66	0.31	2.09	0.73	0.028	0.64	0.43	---	6.65
Min	31.06	6.92	1.26	46.11	5.86	0.54	0.29	1.99	0.65	0.023	0.64	0.32	---	6.20
Std	0.59	0.14	0.05	0.16	0.27	0.05	0.01	0.03	0.04	0.002	0.00	0.06	---	0.20
Četnost	6	6	6	6	6	6	6	6	6	6	2	2	0	6
Norma-min														
Norma-max								4.0		0.10	5.0	5.0		

V Mokré dne : 08.02.2022

Ing. Jiří Lerch - vedoucí útvaru řízení jakosti

Technická podpora prodeje:  
e-mail: [technicka.podpora@cmcem.cz](mailto:technicka.podpora@cmcem.cz)  
tel: +420 544 122 544

 **Českomoravský cement, a.s.**  
Mokrá-Horákov, Mokrá 359, PSC 664 04  
závod Mokrá  
IČ: 262 09 578  
DIČ: CZ26209578