

## Statistické hodnocení kvality cementu

dle EN 197-1 / ČSN 73 6123-1\*

**Cement: CEM I 42,5 R (sc)**

Období: Od: **01.02.2026**

Závod: **Mokrá**

Do: **28.02.2026**

### Mechanické a fyzikální vlastnosti

Datum	Měrný povrch [m <sup>2</sup> /kg]	Normální konzistence [%]	Počátek tuhnutí [min]	Konec tuhnutí [min]	Objemová stálost [mm]	Pevnost v tlaku		Pevnost v ohybu	
						2 dny [MPa]	28 dní [MPa]	2 dny [MPa]	28 dní [MPa]
Jednotka	[m <sup>2</sup> /kg]	[%]	[min]	[min]	[mm]	[MPa]	[MPa]	[MPa]	[MPa]
24.02.2026	267	27,4	221	298	1,0	26,6	58,8	5,1	9,1
25.02.2026	263	27,6	215	278	1,0	26,3	57,8	4,7	8,9
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<b>Průměr</b>	<b>265</b>	<b>27,5</b>	<b>218</b>	<b>288</b>	<b>1,0</b>	<b>26,4</b>	<b>58,3</b>	<b>4,9</b>	<b>9,0</b>
Max	267	27,6	221	298	1,0	26,6	58,8	5,1	9,1
Min	263	27,4	215	278	1,0	26,3	57,8	4,7	8,9
Std	2	0,1	3	10	0,0	0,1	0,5	0,2	0,1
Četnost	2	2	2	2	2	2	2	2	2
Norma-min			60/90*			20,0	42,5		
Norma-max	300*				10		62,5		

### 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 síranů (jako SO <sub>3</sub> )	Na <sub>2</sub> O ekv.	Obsah Cl	Ztráta žháním	Nerostný zbytek	v. CaO	Vodorozpuštěný chrom (Cr <sup>6+</sup> )	C <sub>3</sub> A ve slínku
Jednotka	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[ppm]	[%]
24.02.2026	20,79	4,67	3,23	64,79	1,39	0,71	0,13	3,15	0,60	0,022	---	---	---	---	7,43
25.02.2026	20,62	4,63	3,22	64,38	1,37	0,70	0,13	3,12	0,59	0,022	1,58	0,30	---	---	7,43
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<b>Průměr</b>	<b>20,71</b>	<b>4,65</b>	<b>3,23</b>	<b>64,59</b>	<b>1,38</b>	<b>0,71</b>	<b>0,13</b>	<b>3,14</b>	<b>0,59</b>	<b>0,022</b>	<b>1,58</b>	<b>0,30</b>	<b>---</b>	<b>---</b>	<b>7,43</b>
Max	20,79	4,67	3,23	64,79	1,39	0,71	0,13	3,15	0,60	0,022	1,58	0,30	---	---	7,43
Min	20,62	4,63	3,22	64,38	1,37	0,70	0,13	3,12	0,59	0,022	1,58	0,30	---	---	7,43
Std	0,09	0,02	0,01	0,20	0,01	0,01	0,00	0,01	0,00	0,000	0,00	0,00	---	---	0,00
Četnost	2	2	2	2	2	2	2	2	2	2	1	1	0	0	2
Norma-min															
Norma-max								4,0	0,80*	0,10	5,0/3,0*	5,0			8,0*

V Mokré dne : 07.04.2026

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