



CEMEX Czech Republic, s.r.o.; Výroba cementu Prachovice
Tovární 296
538 04 Prachovice

Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 01/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slínku) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 3.1. | - | - | 19.67 | 5.42 | 3.12 | 62.67 | 2.52 | 2.73 | 0.78 | 0.43 | 0.94 | 0.09 | 1.99 | |
| 7.1. | - | - | 19.54 | 5.39 | 3.09 | 62.28 | 2.47 | 2.69 | 0.77 | 0.42 | 0.93 | 0.09 | 1.99 | |
| 10.1. | - | - | 19.72 | 5.45 | 3.14 | 62.48 | 2.48 | 2.73 | 0.73 | 0.41 | 0.89 | 0.09 | 1.97 | |
| 14.1. | 1.86 | 0.42 | 19.80 | 5.43 | 3.21 | 62.91 | 2.67 | 2.74 | 0.74 | 0.35 | 0.83 | 0.09 | 0.08 | |
| 17.1. | - | - | 19.85 | 5.42 | 3.17 | 62.49 | 2.64 | 2.78 | 0.77 | 0.34 | 0.85 | 0.10 | 0.95 | |
| 21.1. | - | - | 19.78 | 5.41 | 3.17 | 62.49 | 2.67 | 2.78 | 0.75 | 0.34 | 0.83 | 0.09 | 0.09 | |
| 25.1. | - | - | 19.70 | 5.49 | 3.23 | 62.98 | 2.49 | 2.89 | 0.72 | 0.31 | 0.78 | 0.08 | 0.12 | |
| 28.1. | 1.58 | 0.34 | 19.74 | 5.49 | 3.20 | 62.55 | 2.39 | 2.95 | 0.77 | 0.31 | 0.82 | 0.09 | 1.98 | |
| 31.1. | - | - | 19.60 | 5.43 | 3.16 | 62.77 | 2.30 | 2.88 | 0.79 | 0.30 | 0.82 | 0.08 | 1.99 | |
| průměr | 1.72 | 0.38 | 19.71 | 5.44 | 3.17 | 62.62 | 2.51 | 2.80 | 0.76 | 0.36 | 0.85 | 0.09 | 1.24 | 7.13 |
| min. | 1.58 | 0.34 | 19.54 | 5.39 | 3.09 | 62.28 | 2.30 | 2.69 | 0.72 | 0.30 | 0.78 | 0.08 | 0.08 | |
| max. | 1.86 | 0.42 | 19.85 | 5.49 | 3.23 | 62.98 | 2.67 | 2.95 | 0.79 | 0.43 | 0.94 | 0.10 | 1.99 | |
| st.d. | | | 0.10 | 0.03 | 0.04 | 0.23 | 0.13 | 0.09 | 0.02 | 0.05 | 0.05 | 0.01 | 0.92 | |
| četnost | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 3.1. | 5038 | 32.2 | 130 | 205 | 1.0 | 29.4 | 39.6 | 60.2 | 6.9 | 8.0 | 8.9 |
| 7.1. | 4999 | 32.2 | 121 | 206 | 1.0 | 29.7 | 40.3 | 61.3 | 6.6 | 7.9 | 9.1 |
| 10.1. | 4982 | 32.0 | 125 | 235 | - | 29.2 | 40.6 | 59.0 | 6.7 | 8.3 | 9.1 |
| 14.1. | 4935 | 32.2 | 100 | 161 | 2.0 | 29.1 | 40.0 | 59.8 | 6.1 | 8.1 | 9.1 |
| 17.1. | 4990 | 32.2 | 105 | 195 | - | 29.5 | 40.1 | 61.8 | 6.0 | 7.9 | 9.5 |
| 21.1. | 5004 | 32.0 | 90 | 155 | 1.0 | 29.2 | 39.3 | 59.3 | 6.1 | 7.6 | 8.7 |
| 25.1. | 4969 | 31.8 | 100 | 180 | - | 28.5 | 41.2 | 61.0 | 6.2 | 7.9 | 8.3 |
| 28.1. | 4906 | 32.0 | 155 | 230 | 1.0 | 31.0 | 40.7 | 58.5 | 6.1 | 7.9 | 8.6 |
| 31.1. | 4940 | 32.2 | 151 | 266 | - | 31.5 | 40.8 | 58.4 | 6.1 | 8.2 | 8.8 |
| průměr | 4974 | 32.1 | 120 | 204 | 1.2 | 29.7 | 40.3 | 59.9 | 6.3 | 8.0 | 8.9 |
| min. | 4906 | 31.8 | 90 | 155 | 1.0 | 28.5 | 39.3 | 58.4 | 6.0 | 7.6 | 8.3 |
| max. | 5038 | 32.2 | 155 | 266 | 2.0 | 31.5 | 41.2 | 61.8 | 6.9 | 8.3 | 9.5 |
| st.d. | 41 | 0.1 | 23 | 36 | 0.7 | 1.0 | 0.6 | 1.2 | 0.3 | 0.2 | 0.4 |
| četnost | 9 | 9 | 9 | 9 | 5 | 9 | 9 | 9 | 9 | 9 | 9 |

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V Prachovicích
Datum : 08.03.2019



CEMEX Czech Republic, s.r.o.; Výroba cementu Prachovice
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Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 02/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slínku) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 4.2. | - | - | 19.59 | 5.43 | 3.15 | 62.74 | 2.29 | 2.88 | 0.80 | 0.31 | 0.83 | 0.09 | 1.98 | |
| 7.2. | - | - | 19.56 | 5.46 | 3.22 | 62.86 | 2.37 | 2.86 | 0.76 | 0.31 | 0.81 | 0.09 | 0.35 | |
| 11.2. | 1.07 | 0.39 | 19.65 | 5.42 | 3.11 | 62.61 | 2.19 | 2.89 | 0.81 | 0.31 | 0.84 | 0.09 | 1.99 | |
| 14.2. | - | - | 19.49 | 5.38 | 3.12 | 62.84 | 2.21 | 2.90 | 0.81 | 0.31 | 0.84 | 0.09 | 1.99 | |
| 18.2. | - | - | 19.53 | 5.43 | 3.16 | 62.48 | 2.30 | 2.93 | 0.80 | 0.32 | 0.84 | 0.09 | 1.98 | |
| 21.2. | - | - | 19.58 | 5.39 | 3.11 | 63.02 | 2.20 | 2.90 | 0.83 | 0.31 | 0.85 | 0.09 | 1.99 | |
| 25.2. | - | - | 19.51 | 5.37 | 3.18 | 62.12 | 2.29 | 2.88 | 0.78 | 0.29 | 0.81 | 0.09 | 1.98 | |
| 28.2. | 1.19 | 0.58 | 19.77 | 5.45 | 3.19 | 62.29 | 2.64 | 2.76 | 0.78 | 0.35 | 0.86 | 0.09 | 0.12 | |
| průměr | 1.13 | 0.49 | 19.59 | 5.42 | 3.16 | 62.62 | 2.31 | 2.88 | 0.80 | 0.31 | 0.84 | 0.09 | 1.55 | 7.43 |
| min. | 1.07 | 0.39 | 19.49 | 5.37 | 3.11 | 62.12 | 2.19 | 2.76 | 0.76 | 0.29 | 0.81 | 0.09 | 0.12 | |
| max. | 1.19 | 0.58 | 19.77 | 5.46 | 3.22 | 63.02 | 2.64 | 2.93 | 0.83 | 0.35 | 0.86 | 0.09 | 1.99 | |
| st.d. | | | 0.09 | 0.03 | 0.04 | 0.31 | 0.15 | 0.05 | 0.02 | 0.02 | 0.02 | 0.00 | 0.81 | |
| četnost | 2 | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 4.2. | 4975 | 31.6 | 121 | 201 | 1.0 | 31.2 | 42.6 | 59.8 | 6.0 | 8.2 | 9.2 |
| 7.2. | 5002 | 32.0 | 130 | 190 | - | 31.1 | 41.7 | 63.4 | 6.7 | 7.9 | 9.1 |
| 11.2. | 5064 | 32.2 | 155 | 256 | 1.0 | 32.1 | 41.3 | 61.2 | 6.8 | 8.2 | 8.6 |
| 14.2. | 5102 | 32.2 | 151 | 236 | - | 30.8 | 41.2 | 61.2 | 6.3 | 8.1 | 8.9 |
| 18.2. | 5174 | 32.0 | 140 | 291 | 0.0 | 31.3 | 43.1 | 62.7 | 6.8 | 8.3 | 8.7 |
| 21.2. | 5106 | 32.2 | 155 | 206 | - | 32.1 | 42.7 | 60.0 | 7.0 | 8.2 | 9.0 |
| 25.2. | 5035 | 32.0 | 140 | 200 | 1.0 | 31.5 | 42.5 | 61.1 | 6.7 | 7.9 | 9.0 |
| 28.2. | 5029 | 32.2 | 142 | 206 | - | 28.5 | 42.2 | 61.3 | 7.0 | 7.9 | 8.3 |
| průměr | 5061 | 32.1 | 142 | 223 | 0.8 | 31.1 | 42.2 | 61.3 | 6.7 | 8.1 | 8.8 |
| min. | 4975 | 31.6 | 121 | 190 | 0.0 | 28.5 | 41.2 | 59.8 | 6.0 | 7.9 | 8.3 |
| max. | 5174 | 32.2 | 155 | 291 | 1.0 | 32.1 | 43.1 | 63.4 | 7.0 | 8.3 | 9.2 |
| st.d. | 64 | 0.2 | 12 | 35 | 0.5 | 1.1 | 0.7 | 1.2 | 0.3 | 0.2 | 0.3 |
| četnost | 8 | 8 | 8 | 8 | 4 | 8 | 8 | 8 | 8 | 8 | 8 |

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Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 03/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slínku) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 4.3. | - | - | 19.55 | 5.37 | 3.11 | 62.93 | 2.20 | 2.80 | 0.82 | 0.30 | 0.84 | 0.09 | 1.99 | |
| 7.3. | - | - | 19.65 | 5.43 | 3.11 | 62.73 | 2.36 | 2.77 | 0.81 | 0.33 | 0.86 | 0.09 | 1.99 | |
| 11.3. | 1.14 | 0.14 | 19.59 | 5.39 | 3.11 | 63.23 | 2.21 | 2.82 | 0.79 | 0.30 | 0.83 | 0.08 | 1.99 | |
| 14.3. | - | - | 19.48 | 5.43 | 3.15 | 62.53 | 2.52 | 2.77 | 0.83 | 0.40 | 0.94 | 0.10 | 0.21 | |
| 18.3. | - | - | 19.60 | 5.42 | 3.13 | 62.65 | 2.33 | 2.80 | 0.82 | 0.34 | 0.88 | 0.09 | 1.17 | |
| 21.3. | - | - | 19.51 | 5.36 | 3.10 | 62.69 | 2.21 | 2.81 | 0.81 | 0.30 | 0.83 | 0.08 | 1.99 | |
| 25.3. | 1.22 | 0.55 | 19.52 | 5.47 | 3.05 | 61.91 | 2.65 | 2.85 | 0.74 | 0.29 | 0.78 | 0.08 | 0.23 | |
| 28.3. | - | - | 19.64 | 5.46 | 3.06 | 62.39 | 2.72 | 2.88 | 0.71 | 0.30 | 0.76 | 0.08 | 0.42 | |
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| průměr | 1.18 | 0.35 | 19.57 | 5.42 | 3.10 | 62.63 | 2.40 | 2.81 | 0.79 | 0.32 | 0.84 | 0.09 | 1.25 | 5.89 |
| min. | 1.14 | 0.14 | 19.48 | 5.36 | 3.05 | 61.91 | 2.20 | 2.77 | 0.71 | 0.29 | 0.76 | 0.08 | 0.21 | |
| max. | 1.22 | 0.55 | 19.65 | 5.47 | 3.15 | 63.23 | 2.72 | 2.88 | 0.83 | 0.40 | 0.94 | 0.10 | 1.99 | |
| st.d. | | | 0.06 | 0.04 | 0.03 | 0.39 | 0.21 | 0.04 | 0.04 | 0.04 | 0.06 | 0.00 | 0.85 | |
| četnost | 2 | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 4.3. | 5201 | 32.0 | 155 | 210 | 1.0 | 31.4 | 43.4 | 60.8 | 6.8 | 8.6 | 8.6 |
| 7.3. | 5206 | 32.2 | 160 | 255 | - | 30.8 | 41.9 | 60.8 | 6.3 | 8.5 | 8.7 |
| 11.3. | 5191 | 32.4 | 163 | 268 | 0.0 | 31.6 | 42.3 | 60.3 | 6.3 | 8.4 | 8.7 |
| 14.3. | 5048 | 32.5 | 174 | 234 | - | 29.9 | 39.1 | 56.5 | 6.3 | 7.7 | 8.7 |
| 18.3. | 4982 | 32.2 | 150 | 236 | 1.0 | 29.2 | 41.7 | 55.9 | 6.4 | 8.4 | 8.6 |
| 21.3. | 5108 | 31.6 | 131 | 196 | - | 31.3 | 42.6 | 58.8 | 6.9 | 8.1 | 8.8 |
| 25.3. | 4960 | 32.0 | 141 | 231 | 1.0 | 30.2 | 41.9 | 65.0 | 6.2 | 7.6 | 8.1 |
| 28.3. | 4960 | 32.2 | 140 | 225 | - | 30.8 | 43.2 | 66.0 | 6.3 | 8.0 | 9.1 |
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| průměr | 5082 | 32.1 | 152 | 232 | 0.8 | 30.6 | 42.0 | 60.5 | 6.4 | 8.2 | 8.7 |
| min. | 4960 | 31.6 | 131 | 196 | 0.0 | 29.2 | 39.1 | 55.9 | 6.2 | 7.6 | 8.1 |
| max. | 5206 | 32.5 | 174 | 268 | 1.0 | 31.6 | 43.4 | 66.0 | 6.9 | 8.6 | 9.1 |
| st.d. | 109 | 0.3 | 14 | 23 | 0.5 | 0.8 | 1.3 | 3.6 | 0.3 | 0.4 | 0.3 |
| četnost | 8 | 8 | 8 | 8 | 4 | 8 | 8 | 8 | 8 | 8 | 8 |

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Datum : 07.05.2019



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Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 04/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slínku) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 1.4. | - | - | 19.93 | 5.48 | 3.03 | 61.60 | 3.29 | 2.90 | 0.73 | 0.31 | 0.79 | 0.09 | 0.11 | |
| 4.4. | - | - | 20.07 | 5.50 | 3.09 | 62.19 | 3.43 | 2.85 | 0.71 | 0.29 | 0.76 | 0.09 | 0.92 | |
| 8.4. | 1.14 | 0.68 | 19.98 | 5.47 | 3.04 | 62.22 | 3.22 | 2.85 | 0.73 | 0.31 | 0.79 | 0.08 | 0.34 | |
| 11.4. | - | - | 19.97 | 5.50 | 3.04 | 62.08 | 3.13 | 2.84 | 0.75 | 0.32 | 0.81 | 0.08 | 1.16 | |
| 15.4. | - | - | 19.71 | 5.56 | 3.08 | 62.91 | 2.47 | 2.80 | 0.73 | 0.32 | 0.80 | 0.08 | 0.15 | |
| 18.4. | - | - | 19.62 | 5.56 | 3.07 | 63.09 | 2.41 | 2.84 | 0.75 | 0.33 | 0.83 | 0.08 | 0.17 | |
| 22.4. | - | - | 19.71 | 5.55 | 3.09 | 62.39 | 2.55 | 2.81 | 0.72 | 0.30 | 0.78 | 0.08 | 0.12 | |
| 25.4. | 1.17 | 0.39 | 19.68 | 5.47 | 3.14 | 62.32 | 3.04 | 2.81 | 0.77 | 0.27 | 0.78 | 0.08 | 0.11 | |
| 29.4. | - | - | 19.67 | 5.48 | 3.09 | 61.88 | 3.14 | 2.92 | 0.83 | 0.31 | 0.86 | 0.08 | 0.24 | |
| průměr | 1.16 | 0.54 | 19.82 | 5.51 | 3.07 | 62.30 | 2.96 | 2.85 | 0.75 | 0.31 | 0.80 | 0.08 | 0.37 | 5.07 |
| min. | 1.14 | 0.39 | 19.62 | 5.47 | 3.03 | 61.60 | 2.41 | 2.80 | 0.71 | 0.27 | 0.76 | 0.08 | 0.11 | |
| max. | 1.17 | 0.68 | 20.07 | 5.56 | 3.14 | 63.09 | 3.43 | 2.92 | 0.83 | 0.33 | 0.86 | 0.09 | 1.16 | |
| st.d. | | | 0.17 | 0.04 | 0.03 | 0.47 | 0.38 | 0.04 | 0.04 | 0.02 | 0.03 | 0.00 | 0.39 | |
| četnost | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 1.4. | 4974 | 32.2 | 220 | 345 | 0.0 | 27.9 | 41.7 | 63.6 | 6.0 | 7.5 | 8.6 |
| 4.4. | 5006 | 32.2 | 206 | 332 | - | 28.1 | 41.4 | 62.6 | 6.5 | 8.4 | 9.0 |
| 8.4. | 4930 | 32.4 | 221 | 317 | 0.0 | 28.8 | 42.4 | 64.0 | 6.3 | 7.5 | 9.1 |
| 11.4. | 4853 | 32.4 | 215 | 321 | - | 29.1 | 41.5 | 64.6 | 6.3 | 7.6 | 8.9 |
| 15.4. | 5022 | 32.0 | 156 | 247 | 0.0 | 31.1 | 42.9 | 64.6 | 6.3 | 7.8 | 8.6 |
| 18.4. | 4977 | 31.2 | 146 | 256 | - | 30.3 | 42.8 | 64.0 | 6.3 | 8.0 | 8.4 |
| 22.4. | 4886 | 32.4 | 190 | 276 | 0.0 | 31.3 | 43.7 | 62.6 | 6.7 | 7.8 | 8.5 |
| 25.4. | 5000 | 32.4 | 195 | 336 | - | 30.7 | 42.7 | 61.6 | 6.7 | 8.1 | 8.5 |
| 29.4. | 4980 | 32.0 | 216 | 371 | 1.0 | 31.5 | 43.3 | 60.5 | 6.0 | 8.5 | 8.6 |
| průměr | 4959 | 32.1 | 196 | 311 | 0.2 | 29.9 | 42.5 | 63.1 | 6.3 | 7.9 | 8.7 |
| min. | 4853 | 31.2 | 146 | 247 | 0.0 | 27.9 | 41.4 | 60.5 | 6.0 | 7.5 | 8.4 |
| max. | 5022 | 32.4 | 221 | 371 | 1.0 | 31.5 | 43.7 | 64.6 | 6.7 | 8.5 | 9.1 |
| st.d. | 57 | 0.4 | 28 | 42 | 0.3 | 1.4 | 0.8 | 1.4 | 0.2 | 0.4 | 0.2 |
| četnost | 9 | 9 | 9 | 9 | 5 | 9 | 9 | 9 | 9 | 9 | 9 |

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V Prachovicích
Datum : 06.06.2019



CEMEX Czech Republic, s.r.o.; Výroba cementu Prachovice
Tovární 296
538 04 Prachovice

Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 05/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slínku) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 2.5. | - | - | 19.75 | 5.49 | 3.11 | 61.85 | 3.15 | 2.87 | 0.82 | 0.30 | 0.84 | 0.08 | 0.18 | |
| 6.5. | - | - | 19.65 | 5.52 | 3.21 | 61.70 | 3.10 | 2.84 | 0.84 | 0.31 | 0.86 | 0.10 | 0.14 | |
| 9.5. | 1.37 | 0.35 | 19.94 | 5.50 | 3.11 | 61.37 | 2.98 | 2.82 | 0.82 | 0.31 | 0.85 | 0.08 | 0.39 | |
| 13.5. | - | - | 19.73 | 5.37 | 3.08 | 61.33 | 2.62 | 2.78 | 0.81 | 0.29 | 0.83 | 0.09 | 0.39 | |
| 16.5. | - | - | 19.78 | 5.41 | 3.12 | 62.53 | 2.55 | 2.81 | 0.82 | 0.29 | 0.83 | 0.09 | 0.09 | |
| 20.5. | 1.25 | 0.56 | 20.00 | 5.48 | 3.14 | 62.13 | 2.71 | 2.96 | 0.87 | 0.33 | 0.90 | 0.10 | 0.11 | |
| 23.5. | - | - | 19.90 | 5.50 | 3.10 | 61.80 | 2.96 | 2.75 | 0.78 | 0.32 | 0.83 | 0.08 | 0.08 | |
| 27.5. | - | - | 19.84 | 5.54 | 3.14 | 62.47 | 2.88 | 2.76 | 0.77 | 0.32 | 0.82 | 0.09 | 0.09 | |
| 30.5. | - | - | 19.77 | 5.61 | 3.17 | 62.43 | 2.74 | 2.74 | 0.72 | 0.31 | 0.79 | 0.09 | 0.00 | |
| průměr | 1.31 | 0.46 | 19.82 | 5.49 | 3.13 | 61.96 | 2.85 | 2.81 | 0.81 | 0.31 | 0.84 | 0.09 | 0.16 | 5.07 |
| min. | 1.25 | 0.35 | 19.65 | 5.37 | 3.08 | 61.33 | 2.55 | 2.74 | 0.72 | 0.29 | 0.79 | 0.08 | 0.00 | |
| max. | 1.37 | 0.56 | 20.00 | 5.61 | 3.21 | 62.53 | 3.15 | 2.96 | 0.87 | 0.33 | 0.90 | 0.10 | 0.39 | |
| st.d. | | | 0.11 | 0.07 | 0.04 | 0.46 | 0.21 | 0.07 | 0.04 | 0.01 | 0.03 | 0.01 | 0.14 | |
| četnost | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 2.5. | 4964 | 32.0 | 261 | 390 | - | 30.3 | 42.8 | 65.1 | 6.1 | 8.1 | 8.6 |
| 6.5. | 4879 | 32.0 | 260 | 386 | 1.0 | 27.1 | 40.6 | 62.0 | 6.3 | 7.7 | 8.5 |
| 9.5. | 4984 | 32.0 | 260 | 431 | - | 29.0 | 42.8 | 63.6 | 6.0 | 7.8 | 8.7 |
| 13.5. | 5028 | 32.0 | 187 | 302 | 1.0 | 31.0 | 42.8 | 65.4 | 6.7 | 7.7 | 8.8 |
| 16.5. | 4997 | 32.4 | 212 | 347 | - | 31.6 | 44.5 | 63.8 | 6.4 | 8.5 | 8.8 |
| 20.5. | 5220 | 32.4 | 232 | 362 | 2.0 | 34.0 | 45.4 | 62.2 | 6.9 | 7.7 | 8.7 |
| 23.5. | 4985 | 32.0 | 222 | 332 | - | 29.8 | 46.0 | 65.8 | 6.3 | 7.7 | 8.4 |
| 27.5. | 4998 | 31.6 | 230 | 345 | 1.0 | 28.9 | 42.8 | 63.6 | 6.5 | 7.9 | 8.8 |
| 30.5. | 4826 | 31.8 | 221 | 356 | - | 28.9 | 43.2 | 63.1 | 5.7 | 8.2 | 8.7 |
| průměr | 4987 | 32.0 | 232 | 361 | 1.3 | 30.1 | 43.4 | 63.8 | 6.3 | 7.9 | 8.7 |
| min. | 4826 | 31.6 | 187 | 302 | 1.0 | 27.1 | 40.6 | 62.0 | 5.7 | 7.7 | 8.4 |
| max. | 5220 | 32.4 | 261 | 431 | 2.0 | 34.0 | 46.0 | 65.8 | 6.9 | 8.5 | 8.8 |
| st.d. | 109 | 0.3 | 25 | 37 | 0.7 | 2.0 | 1.6 | 1.4 | 0.4 | 0.3 | 0.1 |
| četnost | 9 | 9 | 9 | 9 | 4 | 9 | 9 | 9 | 9 | 9 | 9 |

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V Prachovicích
Datum : 08.07.2019



CEMEX Czech Republic, s.r.o.; Výroba cementu Prachovice
Tovární 296
538 04 Prachovice

Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 06/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slínku) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 3.6. | - | - | 19.68 | 5.48 | 3.09 | 62.46 | 2.86 | 2.76 | 0.72 | 0.30 | 0.78 | 0.09 | 0.03 | |
| 6.6. | - | - | 19.78 | 5.44 | 3.06 | 62.39 | 2.44 | 2.79 | 0.78 | 0.31 | 0.83 | 0.09 | 0.11 | |
| 10.6. | - | - | 19.70 | 5.40 | 3.07 | 62.40 | 2.42 | 2.70 | 0.75 | 0.30 | 0.79 | 0.09 | 1.13 | |
| 13.6. | - | - | 19.69 | 5.47 | 3.12 | 62.23 | 2.80 | 2.75 | 0.74 | 0.31 | 0.79 | 0.08 | 0.15 | |
| 17.6. | 1.71 | 0.49 | 19.80 | 5.50 | 3.15 | 62.10 | 2.47 | 2.71 | 0.76 | 0.28 | 0.77 | 0.09 | 0.15 | |
| 20.6. | - | - | 19.48 | 5.43 | 3.15 | 62.08 | 2.39 | 2.73 | 0.74 | 0.26 | 0.75 | 0.09 | 0.08 | |
| 24.6. | 1.56 | 0.47 | 19.57 | 5.57 | 3.10 | 62.18 | 2.71 | 2.74 | 0.80 | 0.32 | 0.84 | 0.09 | 0.08 | |
| 27.6. | - | - | 19.57 | 5.54 | 3.14 | 62.57 | 2.55 | 2.83 | 0.77 | 0.29 | 0.80 | 0.09 | 0.00 | |
| průměr | 1.64 | 0.48 | 19.66 | 5.48 | 3.11 | 62.30 | 2.58 | 2.75 | 0.76 | 0.30 | 0.79 | 0.09 | 0.22 | 5.74 |
| min. | 1.56 | 0.47 | 19.48 | 5.40 | 3.06 | 62.08 | 2.39 | 2.70 | 0.72 | 0.26 | 0.75 | 0.08 | 0.00 | |
| max. | 1.71 | 0.49 | 19.80 | 5.57 | 3.15 | 62.57 | 2.86 | 2.83 | 0.80 | 0.32 | 0.84 | 0.09 | 1.13 | |
| st.d. | | | 0.11 | 0.06 | 0.04 | 0.18 | 0.18 | 0.04 | 0.03 | 0.02 | 0.03 | 0.00 | 0.37 | |
| četnost | 2 | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 3.6. | 5136 | 31.8 | 186 | 286 | 1.0 | 31.3 | 44.1 | 64.8 | 6.1 | 7.9 | 8.6 |
| 6.6. | 5038 | 32.4 | 211 | 302 | - | 30.5 | 43.5 | 62.0 | 6.4 | 8.0 | 8.4 |
| 10.6. | 4942 | 31.4 | 180 | 301 | 2.0 | 29.9 | 43.5 | 63.8 | 6.7 | 7.9 | 8.7 |
| 13.6. | 4905 | 31.8 | 215 | 335 | - | 30.2 | 44.6 | 64.7 | 6.7 | 8.0 | 9.3 |
| 17.6. | 5030 | 31.6 | 221 | 321 | 1.0 | 28.3 | 41.6 | 65.8 | 6.1 | 7.9 | 8.6 |
| 20.6. | 5048 | 31.4 | 210 | 330 | - | 31.5 | 44.7 | 66.6 | 6.4 | 7.8 | 8.9 |
| 24.6. | 4952 | 32.0 | 154 | 239 | 1.0 | 30.6 | 41.3 | 62.3 | 6.3 | 7.7 | 8.4 |
| 27.6. | 4945 | 32.0 | 200 | 287 | - | 30.1 | 43.4 | 60.7 | 6.1 | 8.0 | 8.7 |
| průměr | 5000 | 31.8 | 197 | 300 | 1.3 | 30.3 | 43.3 | 63.8 | 6.4 | 7.9 | 8.7 |
| min. | 4905 | 31.4 | 154 | 239 | 1.0 | 28.3 | 41.3 | 60.7 | 6.1 | 7.7 | 8.4 |
| max. | 5136 | 32.4 | 221 | 335 | 2.0 | 31.5 | 44.7 | 66.6 | 6.7 | 8.0 | 9.3 |
| st.d. | 76 | 0.3 | 22 | 31 | 0.7 | 1.0 | 1.2 | 2.0 | 0.3 | 0.1 | 0.3 |
| četnost | 8 | 8 | 8 | 8 | 4 | 8 | 8 | 8 | 8 | 8 | 8 |

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Datum : 07.08.2019



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538 04 Prachovice

Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 07/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slínku) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 1.7. | - | - | 19.58 | 5.53 | 3.12 | 62.45 | 2.48 | 2.74 | 0.76 | 0.28 | 0.78 | 0.09 | 0.19 | |
| 4.7. | - | - | 19.46 | 5.53 | 3.14 | 62.54 | 2.55 | 2.75 | 0.77 | 0.29 | 0.80 | 0.09 | 0.16 | |
| 8.7. | - | - | 19.46 | 5.64 | 3.12 | 62.43 | 2.64 | 2.75 | 0.83 | 0.34 | 0.88 | 0.09 | 0.09 | |
| 11.7. | - | - | 19.40 | 5.58 | 3.09 | 62.00 | 2.59 | 2.73 | 0.88 | 0.35 | 0.93 | 0.09 | 0.15 | |
| 15.7. | 2.15 | 0.45 | 19.51 | 5.57 | 3.11 | 62.30 | 2.68 | 2.77 | 0.80 | 0.31 | 0.84 | 0.09 | 0.20 | |
| 18.7. | - | - | 20.05 | 5.57 | 3.07 | 62.36 | 2.67 | 2.70 | 0.77 | 0.30 | 0.80 | 0.09 | 0.17 | |
| 22.7. | - | - | 19.80 | 5.52 | 3.05 | 61.96 | 2.61 | 2.75 | 0.77 | 0.30 | 0.81 | 0.09 | 0.56 | |
| 25.7. | - | - | 19.60 | 5.59 | 3.01 | 62.00 | 2.76 | 2.72 | 0.81 | 0.35 | 0.88 | 0.08 | 0.08 | |
| 29.7. | 1.84 | 0.43 | 19.64 | 5.60 | 3.03 | 61.92 | 2.71 | 2.76 | 0.89 | 0.35 | 0.94 | 0.09 | 0.19 | |
| průměr | 2.00 | 0.44 | 19.61 | 5.57 | 3.08 | 62.22 | 2.63 | 2.74 | 0.81 | 0.32 | 0.85 | 0.09 | 0.20 | 7.30 |
| min. | 1.84 | 0.43 | 19.40 | 5.52 | 3.01 | 61.92 | 2.48 | 2.70 | 0.76 | 0.28 | 0.78 | 0.08 | 0.08 | |
| max. | 2.15 | 0.45 | 20.05 | 5.64 | 3.14 | 62.54 | 2.76 | 2.77 | 0.89 | 0.35 | 0.94 | 0.09 | 0.56 | |
| st.d. | | | 0.20 | 0.04 | 0.04 | 0.24 | 0.09 | 0.02 | 0.05 | 0.03 | 0.06 | 0.00 | 0.14 | |
| četnost | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 1.7. | 5028 | 31.6 | 206 | 286 | 1.0 | 28.5 | 42.5 | 63.3 | 5.9 | 7.7 | 8.9 |
| 4.7. | 5037 | 31.4 | 190 | 286 | - | 29.9 | 44.1 | 63.9 | 6.3 | 8.3 | 8.3 |
| 8.7. | 5039 | 32.0 | 181 | 302 | 1.0 | 30.6 | 42.9 | 64.4 | 6.4 | 7.9 | 8.6 |
| 11.7. | 5007 | 31.6 | 186 | 316 | - | 28.8 | 43.0 | 62.9 | 6.2 | 8.8 | 8.8 |
| 15.7. | 4984 | 31.4 | 220 | 305 | 2.0 | 31.2 | 44.0 | 64.7 | 6.7 | 8.5 | 8.7 |
| 18.7. | 5029 | 31.4 | 161 | 302 | - | 30.2 | 44.7 | 64.0 | 7.0 | 8.2 | 8.8 |
| 22.7. | 5057 | 31.6 | 200 | 310 | 1.0 | 27.7 | 44.1 | 61.6 | 6.5 | 8.1 | 8.3 |
| 25.7. | 5076 | 31.4 | 191 | 292 | - | 31.6 | 45.6 | 63.0 | 6.8 | 9.1 | 8.6 |
| 29.7. | 5058 | 31.8 | 216 | 307 | 0.0 | 30.2 | 44.4 | 59.4 | 6.7 | 8.7 | 8.3 |
| průměr | 5035 | 31.6 | 195 | 301 | 1.0 | 29.9 | 43.9 | 63.0 | 6.5 | 8.4 | 8.6 |
| min. | 4984 | 31.4 | 161 | 286 | 0.0 | 27.7 | 42.5 | 59.4 | 5.9 | 7.7 | 8.3 |
| max. | 5076 | 32.0 | 220 | 316 | 2.0 | 31.6 | 45.6 | 64.7 | 7.0 | 9.1 | 8.9 |
| st.d. | 28 | 0.2 | 18 | 11 | 0.7 | 1.3 | 1.0 | 1.7 | 0.3 | 0.4 | 0.2 |
| četnost | 9 | 9 | 9 | 9 | 5 | 9 | 9 | 9 | 9 | 9 | 9 |

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V Prachovicích
Datum : 11.09.2019



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538 04 Prachovice

Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 8/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slínku) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 1.8. | - | - | 19.65 | 5.63 | 3.07 | 62.57 | 2.67 | 2.74 | 0.83 | 0.32 | 0.87 | 0.09 | 0.02 | |
| 5.8. | - | - | 19.73 | 5.57 | 3.07 | 62.27 | 2.62 | 2.75 | 0.84 | 0.32 | 0.87 | 0.09 | 0.13 | |
| 8.8. | - | - | 19.60 | 5.52 | 3.05 | 62.39 | 2.55 | 2.78 | 0.77 | 0.30 | 0.81 | 0.08 | 0.08 | |
| 12.8. | 1.41 | 0.35 | 19.46 | 5.45 | 3.02 | 61.94 | 2.52 | 2.77 | 0.75 | 0.29 | 0.79 | 0.08 | 0.24 | |
| 15.8. | - | - | 19.52 | 5.51 | 3.00 | 61.69 | 2.69 | 2.73 | 0.82 | 0.33 | 0.88 | 0.09 | 0.09 | |
| 19.8. | - | - | 19.48 | 5.58 | 3.03 | 62.04 | 2.63 | 2.73 | 0.82 | 0.33 | 0.88 | 0.08 | 0.13 | |
| 22.8. | - | - | 19.49 | 5.63 | 3.05 | 62.05 | 2.67 | 2.77 | 0.85 | 0.35 | 0.91 | 0.09 | 0.15 | |
| 26.8. | 1.29 | 0.36 | 19.39 | 5.57 | 3.02 | 61.78 | 2.61 | 2.72 | 0.82 | 0.34 | 0.88 | 0.08 | 0.16 | |
| 29.8. | - | - | 19.09 | 5.46 | 3.08 | 62.96 | 2.99 | 2.73 | 0.77 | 0.30 | 0.81 | 0.07 | 0.10 | |
| průměr | 1.35 | 0.36 | 19.49 | 5.55 | 3.04 | 62.19 | 2.66 | 2.75 | 0.81 | 0.32 | 0.86 | 0.08 | 0.12 | 6.33 |
| min. | 1.29 | 0.35 | 19.09 | 5.45 | 3.00 | 61.69 | 2.52 | 2.72 | 0.75 | 0.29 | 0.79 | 0.07 | 0.02 | |
| max. | 1.41 | 0.36 | 19.73 | 5.63 | 3.08 | 62.96 | 2.99 | 2.78 | 0.85 | 0.35 | 0.91 | 0.09 | 0.24 | |
| st.d. | | | 0.18 | 0.07 | 0.03 | 0.40 | 0.14 | 0.02 | 0.04 | 0.02 | 0.04 | 0.01 | 0.06 | |
| četnost | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 1.8. | 5013 | 31.6 | 186 | 296 | - | 30.3 | 43.2 | 64.1 | 6.5 | 8.0 | 8.5 |
| 5.8. | 5014 | 31.8 | 201 | 291 | 1.0 | 32.4 | 44.9 | 65.9 | 6.7 | 8.7 | 8.9 |
| 8.8. | 5096 | 32.0 | 191 | 281 | - | 33.7 | 45.9 | 63.2 | 6.8 | 8.8 | 8.4 |
| 12.8. | 5075 | 31.6 | 216 | 291 | 1.0 | 29.1 | 43.0 | 63.9 | 6.6 | 8.2 | 8.5 |
| 15.8. | 4987 | 31.8 | 220 | 360 | - | 32.2 | 46.5 | 66.2 | 6.8 | 8.7 | 8.6 |
| 19.8. | 4985 | 32.2 | 215 | 311 | 0.0 | 33.0 | 46.4 | 64.5 | 6.6 | 8.6 | 9.0 |
| 22.8. | 4926 | 31.6 | 208 | 288 | - | 31.8 | 45.1 | 66.5 | 6.5 | 8.6 | 9.0 |
| 26.8. | 5054 | 31.8 | 196 | 316 | 0.0 | 31.8 | 45.6 | 67.1 | 6.6 | 8.8 | 9.7 |
| 29.8. | 4973 | 31.6 | 215 | 311 | - | 30.1 | 44.4 | 65.0 | 6.4 | 8.4 | 8.8 |
| průměr | 5014 | 31.8 | 205 | 305 | 0.5 | 31.6 | 45.0 | 65.2 | 6.6 | 8.5 | 8.8 |
| min. | 4926 | 31.6 | 186 | 281 | 0.0 | 29.1 | 43.0 | 63.2 | 6.4 | 8.0 | 8.4 |
| max. | 5096 | 32.2 | 220 | 360 | 1.0 | 33.7 | 46.5 | 67.1 | 6.8 | 8.8 | 9.7 |
| st.d. | 54 | 0.2 | 12 | 24 | 0.4 | 1.5 | 1.3 | 1.3 | 0.1 | 0.3 | 0.4 |
| četnost | 9 | 9 | 9 | 9 | 4 | 9 | 9 | 9 | 9 | 9 | 9 |

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Datum : 03.10.2019



CEMEX Czech Republic, s.r.o.; Výroba cementu Prachovice
Tovární 296
538 04 Prachovice

Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 9/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slínku) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 2.9. | - | - | 19.27 | 5.53 | 3.00 | 61.54 | 2.69 | 2.77 | 0.82 | 0.34 | 0.88 | 0.08 | 0.17 | |
| 5.9. | - | - | 19.47 | 5.47 | 2.97 | 62.08 | 2.72 | 2.82 | 0.90 | 0.30 | 0.89 | 0.10 | 0.15 | |
| 9.9. | 2.73 | 0.45 | 19.55 | 5.42 | 2.96 | 61.96 | 2.70 | 2.72 | 0.84 | 0.28 | 0.83 | 0.09 | 0.20 | |
| 12.9. | - | - | 19.43 | 5.54 | 2.98 | 61.51 | 2.70 | 2.71 | 0.84 | 0.28 | 0.83 | 0.09 | 0.07 | |
| 16.9. | - | - | 19.64 | 5.66 | 3.08 | 62.09 | 2.79 | 2.74 | 0.75 | 0.30 | 0.80 | 0.09 | 0.06 | |
| 19.9. | - | - | 19.19 | 5.59 | 2.99 | 61.33 | 2.67 | 2.75 | 0.80 | 0.33 | 0.86 | 0.09 | 0.07 | |
| 23.9. | 2.27 | 0.42 | 19.52 | 5.63 | 3.09 | 62.49 | 2.79 | 2.74 | 0.71 | 0.30 | 0.77 | 0.09 | 0.08 | |
| 26.9. | - | - | 19.27 | 5.27 | 2.91 | 61.57 | 2.58 | 2.71 | 0.86 | 0.28 | 0.85 | 0.07 | 0.08 | |
| 30.9. | - | - | 19.32 | 5.50 | 3.05 | 62.12 | 2.57 | 2.74 | 0.74 | 0.31 | 0.79 | 0.09 | 0.25 | |
| průměr | 2.50 | 0.44 | 19.41 | 5.51 | 3.00 | 61.85 | 2.69 | 2.74 | 0.81 | 0.30 | 0.83 | 0.09 | 0.13 | 6.61 |
| min. | 2.27 | 0.42 | 19.19 | 5.27 | 2.91 | 61.33 | 2.57 | 2.71 | 0.71 | 0.28 | 0.77 | 0.07 | 0.06 | |
| max. | 2.73 | 0.45 | 19.64 | 5.66 | 3.09 | 62.49 | 2.79 | 2.82 | 0.90 | 0.34 | 0.89 | 0.10 | 0.25 | |
| st.d. | | | 0.15 | 0.12 | 0.06 | 0.38 | 0.08 | 0.03 | 0.06 | 0.02 | 0.04 | 0.01 | 0.07 | |
| četnost | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 2.9. | 4852 | 32.2 | 197 | 287 | 0.0 | 30.8 | 45.9 | 68.7 | 6.8 | 9.0 | 9.3 |
| 5.9. | 4951 | 32.0 | 140 | 210 | - | 33.6 | 45.3 | 64.2 | 6.7 | 8.3 | 9.1 |
| 9.9. | 4829 | 32.0 | 221 | 327 | 0.0 | 32.4 | 45.5 | 65.4 | 6.5 | 8.8 | 9.2 |
| 12.9. | 4816 | 31.6 | 205 | 301 | - | 32.8 | 45.3 | 62.1 | 6.9 | 8.8 | 8.8 |
| 16.9. | 4814 | 32.0 | 210 | 301 | 1.0 | 29.9 | 45.5 | 64.9 | 6.4 | 8.1 | 8.8 |
| 19.9. | 4867 | 31.8 | 216 | 326 | - | 29.3 | 42.6 | 66.9 | 6.1 | 8.1 | 8.9 |
| 23.9. | 4779 | 31.6 | 205 | 301 | 1.0 | 29.7 | 44.7 | 65.5 | 6.3 | 8.0 | 8.9 |
| 26.9. | 4854 | 31.8 | 185 | 291 | - | 31.7 | 44.4 | 62.6 | 6.8 | 8.3 | 9.0 |
| 30.9. | 4802 | 31.8 | 210 | 290 | 1.0 | 28.6 | 43.6 | 67.3 | 6.4 | 8.3 | 8.6 |
| průměr | 4840 | 31.9 | 199 | 293 | 0.6 | 31.0 | 44.8 | 65.3 | 6.5 | 8.4 | 8.9 |
| min. | 4779 | 31.6 | 140 | 210 | 0.0 | 28.6 | 42.6 | 62.1 | 6.1 | 8.0 | 8.6 |
| max. | 4951 | 32.2 | 221 | 327 | 1.0 | 33.6 | 45.9 | 68.7 | 6.9 | 9.0 | 9.3 |
| st.d. | 50 | 0.2 | 24 | 34 | 0.5 | 1.7 | 1.1 | 2.2 | 0.3 | 0.4 | 0.2 |
| četnost | 9 | 9 | 9 | 9 | 5 | 9 | 9 | 9 | 9 | 9 | 9 |

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V Prachovicích
Datum : 06.11.2019



CEMEX Czech Republic, s.r.o.; Výroba cementu Prachovice
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538 04 Prachovice

Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 10/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slínku) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 3.10. | - | - | 19.41 | 5.55 | 3.05 | 62.51 | 2.61 | 2.75 | 0.78 | 0.32 | 0.83 | 0.09 | 0.08 | |
| 7.10. | - | - | 19.27 | 5.55 | 3.12 | 62.12 | 2.54 | 2.76 | 0.75 | 0.32 | 0.82 | 0.09 | 0.16 | |
| 10.10. | 1.97 | 0.55 | 19.40 | 5.60 | 3.16 | 61.80 | 2.60 | 2.81 | 0.82 | 0.35 | 0.89 | 0.09 | 0.13 | |
| 14.10. | - | - | 19.39 | 5.55 | 3.15 | 62.26 | 2.60 | 2.74 | 0.78 | 0.32 | 0.83 | 0.08 | 0.14 | |
| 17.10. | - | - | 19.56 | 5.56 | 3.24 | 61.57 | 2.61 | 2.71 | 0.79 | 0.31 | 0.83 | 0.09 | 0.15 | |
| 21.10. | - | - | 19.66 | 5.59 | 3.25 | 62.50 | 2.74 | 2.79 | 0.81 | 0.32 | 0.85 | 0.09 | 0.14 | |
| 24.10. | 1.77 | 0.20 | 19.53 | 5.57 | 3.21 | 62.55 | 3.01 | 2.72 | 0.76 | 0.31 | 0.81 | 0.09 | 0.16 | |
| 28.10. | - | - | 19.61 | 5.43 | 3.19 | 62.67 | 3.02 | 2.79 | 0.72 | 0.29 | 0.77 | 0.09 | 0.23 | |
| 31.10. | - | - | 19.63 | 5.63 | 3.23 | 62.23 | 2.73 | 2.77 | 0.79 | 0.32 | 0.84 | 0.08 | 0.15 | |
| průměr | 1.87 | 0.38 | 19.50 | 5.56 | 3.18 | 62.25 | 2.72 | 2.76 | 0.78 | 0.32 | 0.83 | 0.09 | 0.15 | 5.36 |
| min. | 1.77 | 0.20 | 19.27 | 5.43 | 3.05 | 61.57 | 2.54 | 2.71 | 0.72 | 0.29 | 0.77 | 0.08 | 0.08 | |
| max. | 1.97 | 0.55 | 19.66 | 5.63 | 3.25 | 62.67 | 3.02 | 2.81 | 0.82 | 0.35 | 0.89 | 0.09 | 0.23 | |
| st.d. | | | 0.13 | 0.06 | 0.06 | 0.37 | 0.18 | 0.03 | 0.03 | 0.02 | 0.03 | 0.01 | 0.04 | |
| četnost | 2 | 2 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 3.10. | 4850 | 32.0 | 221 | 316 | - | 29.7 | 44.3 | 65.4 | 6.2 | 8.1 | 9.0 |
| 7.10. | 4757 | 31.8 | 236 | 346 | 1.0 | 29.3 | 43.7 | 63.4 | 6.3 | 8.2 | 8.6 |
| 10.10. | 4711 | 31.6 | 201 | 301 | - | 30.1 | 44.2 | 63.5 | 6.0 | 8.2 | 8.9 |
| 14.10. | 4769 | 31.8 | 226 | 321 | 0.5 | 29.8 | 46.0 | 66.9 | 6.4 | 8.5 | 9.3 |
| 17.10. | 4809 | 32.0 | 227 | 337 | - | 31.7 | 44.1 | 66.5 | 6.7 | 8.0 | 9.1 |
| 21.10. | 4719 | 31.6 | 231 | 352 | 1.0 | 28.9 | 44.1 | 62.6 | 6.2 | 8.2 | 8.9 |
| 24.10. | 4876 | 31.6 | 221 | 336 | - | 29.2 | 44.3 | 63.8 | 6.0 | 8.1 | 8.8 |
| 28.10. | 4820 | 31.8 | 231 | 341 | 2.0 | 31.3 | 42.8 | 66.5 | 6.1 | 8.2 | 9.2 |
| 31.10. | 4851 | 31.8 | 226 | 359 | - | 28.9 | 43.6 | 63.2 | 6.0 | 7.9 | 8.8 |
| průměr | 4796 | 31.8 | 224 | 334 | 1.1 | 29.9 | 44.1 | 64.6 | 6.2 | 8.2 | 9.0 |
| min. | 4711 | 31.6 | 201 | 301 | 0.5 | 28.9 | 42.8 | 62.6 | 6.0 | 7.9 | 8.6 |
| max. | 4876 | 32.0 | 236 | 359 | 2.0 | 31.7 | 46.0 | 66.9 | 6.7 | 8.5 | 9.3 |
| st.d. | 60 | 0.2 | 10 | 18 | 0.7 | 1.0 | 0.8 | 1.7 | 0.2 | 0.2 | 0.2 |
| četnost | 9 | 9 | 9 | 9 | 4 | 9 | 9 | 9 | 9 | 9 | 9 |

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Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 11/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|-------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slin的角度) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 4.11. | - | - | 19.59 | 5.55 | 3.34 | 63.12 | 2.61 | 2.77 | 0.74 | 0.32 | 0.81 | 0.09 | 0.16 | |
| 7.11. | - | - | 19.75 | 5.45 | 3.33 | 62.69 | 2.68 | 2.81 | 0.81 | 0.31 | 0.84 | 0.08 | 1.09 | |
| 11.11. | 1.82 | 0.34 | 19.59 | 5.47 | 3.30 | 62.14 | 2.56 | 2.77 | 0.75 | 0.31 | 0.80 | 0.08 | 0.32 | |
| 14.11. | - | - | 19.52 | 5.43 | 3.33 | 63.51 | 2.71 | 2.63 | 0.65 | 0.26 | 0.69 | 0.06 | 0.07 | |
| 18.11. | - | - | 19.33 | 5.44 | 3.19 | 62.60 | 2.61 | 2.72 | 0.77 | 0.31 | 0.81 | 0.09 | 0.34 | |
| 21.11. | - | - | 19.22 | 5.39 | 3.14 | 62.33 | 2.67 | 2.75 | 0.81 | 0.32 | 0.85 | 0.08 | 0.05 | |
| 25.11. | 1.98 | 0.32 | 19.27 | 5.48 | 3.19 | 62.68 | 2.65 | 2.74 | 0.78 | 0.32 | 0.83 | 0.09 | 0.06 | |
| 28.11. | - | - | 19.31 | 5.41 | 3.20 | 62.61 | 2.61 | 2.74 | 0.81 | 0.31 | 0.84 | 0.09 | 0.11 | |
| průměr | 1.90 | 0.33 | 19.45 | 5.45 | 3.25 | 62.71 | 2.64 | 2.74 | 0.77 | 0.31 | 0.81 | 0.08 | 0.28 | 5.23 |
| min. | 1.82 | 0.32 | 19.22 | 5.39 | 3.14 | 62.14 | 2.56 | 2.63 | 0.65 | 0.26 | 0.69 | 0.06 | 0.05 | |
| max. | 1.98 | 0.34 | 19.75 | 5.55 | 3.34 | 63.51 | 2.71 | 2.81 | 0.81 | 0.32 | 0.85 | 0.09 | 1.09 | |
| st.d. | | | 0.19 | 0.05 | 0.08 | 0.43 | 0.05 | 0.05 | 0.05 | 0.02 | 0.05 | 0.01 | 0.35 | |
| četnost | 2 | 2 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 4.11. | 4748 | 31.6 | 215 | 316 | 0.0 | 28.9 | 44.0 | 64.0 | 6.3 | 8.0 | 8.9 |
| 7.11. | 4848 | 31.8 | 220 | 346 | - | 30.5 | 43.3 | 65.9 | 6.5 | 7.9 | 9.1 |
| 11.11. | 4840 | 31.8 | 211 | 316 | 1.0 | 29.4 | 42.5 | 61.1 | 5.9 | 8.0 | 9.1 |
| 14.11. | 4856 | 31.6 | 202 | 328 | - | 30.1 | 43.0 | 67.7 | 6.3 | 8.0 | 0.0 |
| 18.11. | 4850 | 31.4 | 215 | 356 | 1.5 | 30.7 | 46.4 | 68.1 | 6.2 | 8.4 | 0.0 |
| 21.11. | 4825 | 31.8 | 225 | 331 | - | 30.1 | 44.4 | 64.5 | 6.0 | 8.2 | 8.8 |
| 25.11. | 4986 | 32.2 | 186 | 306 | 1.0 | 31.7 | 46.7 | 67.8 | 6.7 | 8.7 | 9.0 |
| 28.11. | 4901 | 31.6 | 225 | 326 | - | 31.2 | 46.8 | 68.8 | 6.1 | 8.1 | 9.0 |
| průměr | 4857 | 31.7 | 212 | 328 | 0.9 | 30.3 | 44.6 | 66.0 | 6.3 | 8.2 | 6.7 |
| min. | 4748 | 31.4 | 186 | 306 | 0.0 | 28.9 | 42.5 | 61.1 | 5.9 | 7.9 | 0.0 |
| max. | 4986 | 32.2 | 225 | 356 | 1.5 | 31.7 | 46.8 | 68.8 | 6.7 | 8.7 | 9.1 |
| st.d. | 68 | 0.2 | 13 | 16 | 0.6 | 0.9 | 1.8 | 2.6 | 0.3 | 0.3 | 4.2 |
| četnost | 8 | 8 | 8 | 8 | 4 | 8 | 8 | 8 | 8 | 8 | 8 |

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Datum : 03.01.2020



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Statistické hodnocení kvality a chemismu cementu dle ČSN EN 197-1 ed. 2

Cement CEM I 52,5 R
Období: 12/2019

| Statistické hodnocení chemismu cementu | | | | | | | | | | | | | | |
|--|---------------|--------------------|------------------|--------------------------------|--------------------------------|-------|------|-----------------|------------------|-------------------|------------------------------|------|-------|------------------------------|
| Číslo vzorku | Ztráta žháním | Nerozpuštěný podíl | SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | SO ₃ | K ₂ O | Na ₂ O | Na ₂ O-ekvivalent | Cl- | Cr 6+ | C ₃ A (ve slínku) |
| jedn. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | %hm. | ppm | %hm. |
| 2.12. | - | - | 19.40 | 5.36 | 3.10 | 63.31 | 2.77 | 2.77 | 0.73 | 0.31 | 0.79 | 0.08 | 0.08 | 0.00 |
| 5.12. | 2.23 | 0.51 | 19.28 | 5.39 | 3.12 | 62.83 | 2.81 | 2.77 | 0.78 | 0.34 | 0.86 | 0.08 | 0.08 | 0.20 |
| 9.12. | - | - | 19.16 | 5.30 | 3.10 | 62.68 | 2.77 | 2.73 | 0.73 | 0.31 | 0.79 | 0.09 | 0.09 | 0.05 |
| 11.12. | - | - | 19.33 | 5.31 | 3.07 | 62.84 | 2.77 | 2.75 | 0.73 | 0.31 | 0.78 | 0.08 | 0.08 | 0.12 |
| 16.12. | 1.79 | 0.35 | 19.43 | 5.35 | 3.08 | 62.70 | 2.77 | 2.79 | 0.79 | 0.31 | 0.83 | 0.09 | 0.09 | 0.21 |
| 18.12. | - | - | 19.38 | 5.30 | 3.08 | 62.42 | 2.75 | 2.82 | 0.77 | 0.31 | 0.82 | 0.08 | 0.08 | 0.27 |
| průměr | 2.01 | 0.43 | 19.33 | 5.34 | 3.09 | 62.80 | 2.77 | 2.77 | 0.76 | 0.32 | 0.81 | 0.08 | 0.14 | 5.23 |
| min. | 1.79 | 0.35 | 19.16 | 5.30 | 3.07 | 62.42 | 2.75 | 2.73 | 0.73 | 0.31 | 0.78 | 0.08 | 0.08 | 0.00 |
| max. | 2.23 | 0.51 | 19.43 | 5.39 | 3.12 | 63.31 | 2.81 | 2.82 | 0.79 | 0.34 | 0.86 | 0.09 | 0.09 | 0.27 |
| st.d. | | | 0.10 | 0.04 | 0.02 | 0.29 | 0.02 | 0.03 | 0.03 | 0.01 | 0.03 | 0.01 | 0.10 | |
| četnost | 2 | 2 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |

| FYZIKÁLNÍ VLASTNOSTI | | | | | | PEVNOSTI | | | | | |
|----------------------|--------------------|---------------|-----------------|--------------|----------------------------|------------|------------|-------------|------------|------------|-------------|
| Číslo vzorku | Specifický povrch | Záměsová voda | Počátek tuhnutí | Doba tuhnutí | Objemová stálost (Le Chat) | Tlak 1-den | Tlak 2-dny | Tlak 28-dnů | Ohyb 1-den | Ohyb 2-dny | Ohyb 28-dnů |
| jedn. | cm ² /g | %hm. | min. | min. | mm | MPa | MPa | MPa | MPa | MPa | MPa |
| 2.12. | 4847 | 31.4 | 165 | 326 | 2.0 | 29.1 | 44.3 | 65.7 | 6.5 | 8.7 | 9.3 |
| 5.12. | 4824 | 30.8 | 183 | 282 | - | 29.2 | 42.5 | 64.3 | 6.2 | 8.7 | 9.0 |
| 9.12. | 4869 | 30.8 | 194 | 269 | 1.0 | 32.1 | 46.5 | 62.9 | 6.9 | 8.3 | 9.3 |
| 11.12. | 4832 | 31.4 | 193 | 274 | - | 30.8 | 44.1 | 64.3 | 6.4 | 8.7 | 8.9 |
| 16.12. | 4754 | 31.4 | 174 | 265 | 1.0 | 27.8 | 45.8 | 62.6 | 5.7 | 8.0 | 8.9 |
| 18.12. | 4807 | 31.4 | 178 | 279 | - | 31.9 | 45.5 | 64.7 | 6.5 | 8.6 | 8.8 |
| průměr | 4822 | 31.2 | 181 | 283 | 1.3 | 30.2 | 44.8 | 64.1 | 6.3 | 8.5 | 9.0 |
| min. | 4754 | 30.8 | 165 | 265 | 1.0 | 27.8 | 42.5 | 62.6 | 5.7 | 8.0 | 8.8 |
| max. | 4869 | 31.4 | 194 | 326 | 2.0 | 32.1 | 46.5 | 65.7 | 6.9 | 8.7 | 9.3 |
| st.d. | 39 | 0.3 | 11 | 22 | 0.8 | 1.7 | 1.4 | 1.2 | 0.4 | 0.3 | 0.2 |
| četnost | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 6 | 6 |

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V Prachovicích
Datum : 06.02.2020